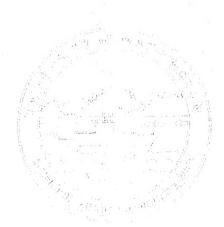
FEERBRALING SEAMOUNT

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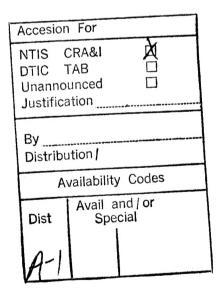
NORTH PACIFIC OCEAN

FIEBERLING SEAMOUNT

CTD DATA REPORT

R/V New Horizon 19 August - 3 September 1989





Gunnar I. Roden William J. Fredericks



NICO COLUMNIA EXCENTACIONES

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ABSTRACT

During August and September 1989 the *R/V New Horizon* made a detailed study of the flow, thermohaline and light transmission structures around Fieberling and neighboring seamounts as part of a multi-investigator, multi-institutional ONR sponsored Flow over Abrupt Topography Accelerated Research Initiative. A total of 84 stations were taken in the working area. This report gives a numerical and graphical summary of the CTD field measurements and of surface meteorological observations.

INTRODUCTION

A. Sea floor topography

Fieberling is a large seamount 992 km west of San Diego, CA (Figure 1). It rises abruptly from the deep ocean floor at 4300 m to a minimum depth of 438 m. To the ESE of Fieberling are three smaller seamounts: Fieberling II, 52 km distant with a minimum depth of 1040 m; Hoke, 88 km distant with a least depth of 772 m; and Stoddard, 164 km distant with a minimum depth of 1070 m. The four seamounts form a linearly arranged group, which will be referred to as the Fieberling group. The basic dimensions of the four seamounts and of the gaps between them are summarized in Table 1. It is important to note that Fieberling seamount is isolated from its neighbors only in the upper fifth of the water column. Below 2000 m, the gaps between Fieberling, Fieberling II and Hoke are less than the width of the seamounts involved. This seafloor shape has fundamental consequences for flow-topography interaction. While the upper layer flow interacts directly with a single seamount (Fieberling), the deep flow interacts with the seamount group.

B. Objectives of CTD study

To investigate the effects of the Fieberling and neighboring seamounts on oceanic flow and property structures in their vicinity, a detailed field study was made of the environmental conditions in the area aboard the R/V New Horizon between 19 August and 3 September 1989. The main objectives of this study were to:

- determine the structure of the large scale flow impinging upon Fieberling seamount and its change with depth,
- study the effects of neighboring seamounts on the circulation near Fieberling,
- 3. investigate the characteristics of jets and eddies near seamounts and seamount wakes,

- 4. assess the structure and extent of upwelling cones above the summits of seamounts.
- C. Cruise track, station positions and meteorological observations.

The field study focused on a 170 km by 220 km area centered around the WNW-ESE axis of the four seamounts The basic station grid was 27 km, with closer station spacing near the seamounts. The station pattern in the working area is shown in Figure 2 and consisted of 84 CTD stations In addition, an instrument test station (called st 0) was made at 32°32' N, 118°07' W, shortly after leaving San Diego At all stations, records were kept of atmospheric pressure, wind speed and direction as well as dry and wet bulb temperatures.

PARTICIPANTS

Ship's Captain

Philip Munsch SIO

Chief Scientist

Gunnar I.Roden, UW

Technical Personnel

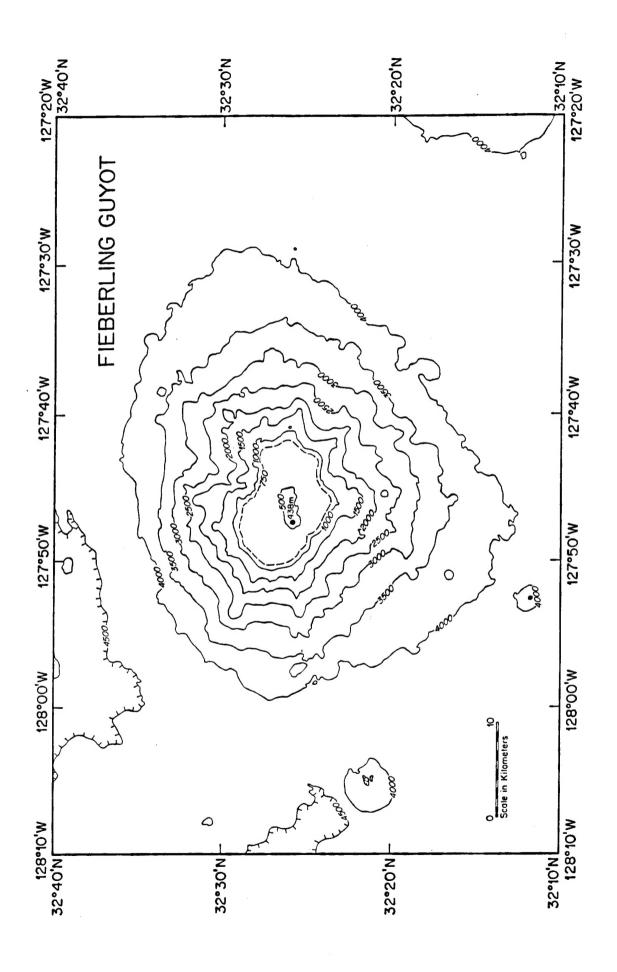
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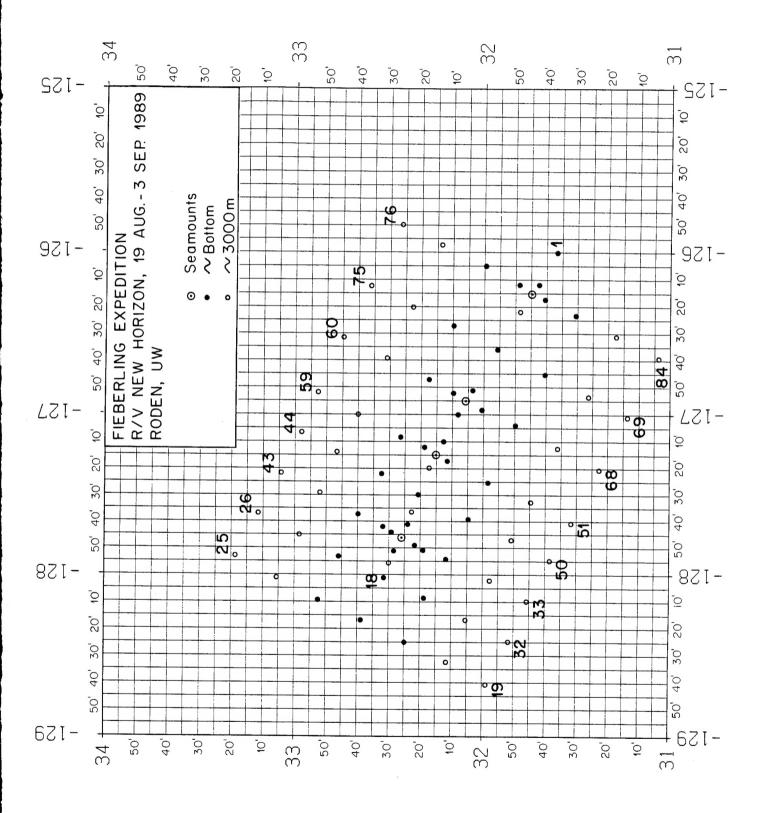
ACKNOWLEDGMENTS

Captain Philip Munsch and his officers and men are to be commended for outstanding performance. The high professional competence of the seagoing personnel from the Oregon State University (OSU), the Scripps Institution of Oceanography (SIO) and the University of Washington (UW) made this report possible. This report was supported by ONR grant NO0014-89-J-1248.

TABLE 1. Basic Dimensions of Seamounts in the Fieberling Group. Widths are approxiamate. Heights are relative to a seafloor base at 4300 m.

Seamounts:	Fieberling	Fieberling I	I Hoke	Stoddard
Latitude	32 26.1'N	32°16.1'N	32°05.7'N	31°45.6'N
Longitude	127°45.9'W	127 ° 15.1'W	126°55.5'W	126°13.8'W
Minimun depth	438 m	1048 m	<i>7</i> 72 m	1075 m
Height above seafloor	3862 m	3252 m	3528 m	3225 m
Width at 500 m	3 km	_	_	_
Width at 1000 m	12 km	-	4 km	-
Width at 1500 m	16 km	6 km	8 km	3 km
Width at 2000 m	20 km	8 km	9 km	8 km
Width at 4000 m	40 km	22 km	30 km	22 km
Gap at 1500 m		41 km	32 km	68 km
Gap at 2000 m		35 km	26 km	61 km
Gap at 4000 m		20 km	11 km	35 km





DATA ACQUISITION AND CALIBRATION

The CTD casts were conducted using the University of Washington's Seabird Conductivity-Temperature-Pressure profiler, coupled to a SeaTech Transmissometer (25 cm pathlength) and a General Oceanics 24 bottle rosette sampler. A 12 kHz pinger was mounted in the CTD frame to allow a safe approach to the bottom.

The conductivity, temperature, and pressure sensors were calibrated before and after the cruise by Seabird. The pressure sensor required no correction. For temperature and conductivity the following corrections were applied:

Temperature: $T^*(corr) = T^*(raw) -0.00274^*$ Celsius

Conductivity: C(corr) = -0.00090 + 1.00048C(raw) Siemens/m

The salinities derived from the corrected CTD conductivities, temperatures and pressures were compared to the salinities derived from the shipboard Guildline Autosal instrument. The CTD salinities agreed with the Autosal water bottle salinities within 0.002 per mille. No further corrections were applied.

At station 10, a malfunction occured in the conductivity sensor, which was subsequently fixed. Because the conductivity and salinity data are questionable, station 10 has been omitted from this report.

The transmissometer was calibrated by SeaTech before and after the cruise. The instrument was found to be stable. The profiles of light transmission exhibited some electronic jitter with amplitudes not exceeding 0.2 %. In order to eliminate the jitter, the light transmission profiles were smoothed with a 21 point binomial filter. No further corrections were applied.

The conductivity, temperature, pressure, and light transmission data were digitized at 2 dbar intervals. These data formed the basis for all subsequent calculations.

DATA PROCESSING

The calibrated temperature, salinity and pressure data were used to to calculate density using the international equation of state for sea water (EOS-80), as given by Gill (1982). Potential temperature was calculated from Bryden's polynomial (Bryden,1973). Sound speed was computed from Wilson's equation (Tolstoy and Clay,1966). The Väisälä frequency was computed from the vertical density gradient and the compressibility term, with the gravity based on the international reference ellipsoid of 1980. A centered difference was used to calculate the vertical density gradient. A quadratic equation was used the calculate depth; the equation involved the integral of specific volume with respect to pressure and a gravity dependent upon latitude and pressure. The transport function was computed as the integral of dynamic height with respect to depth.

The CTD listings and units are as follows:

1.	PRESSURE	pressure in decibars
2.	DEPTH	depth in meters
3.	TEMP	temperature in degrees Celsius
4.	POT.T.	potential temperature in degrees Celsius
5.	SAL	salinity in per mille
6.	SIGMA-θ	potential density - 1000.0 in kg/m^3
7.	SIGMA-Z	density in situ - 1000.0 in kg/m^3
8.	SIGMA-T	density as $f(T,S,0)-1000.0$ in kg/m^3
9.	DELTA	specific volume anomaly $in m^3/kg$
10.	DYN.HT	dynamic height in $J/kg = m^2/s^2$
11.	LTR	light transmission in per cent
12.	sv	sound speed in m/s
13.	TF	transport function in m^3/s^2
14.	N ²	Väisälä fequency squared in (radians/s) ²

REFERENCES

- Bryden, H.L., New polynomials for thermal expansion, adiabatic temperature gradient and potential temperature gradient of sea water. Deep Sea Research, 20: 401-408, 1973.
- Gill.A.E., Atmosphere Ocean Dynamics, Academic Press, New York, pp.599-602, 1982.
- Tolstoy, I., and C.S.Clay, Ocean Acoustics, McGraw Hill, p. 293, 1966.

STATION POSITIONS, DEPTHS AND METEOROLOGICAL LOG

A listing of the station positions, times, depths and meteorological observations are given as follows:

- 1. dates and times are given in Greenwich mean time.
- depths of the ocean floor are in meters, as obtained from the Universal Depth Recorder using a constant sound speed of 1500 m/s. No corrections for sound speed variability with depth have been applied.
- 3. atmospheric pressure was read from the barometer on the bridge of the R/V New Horizon, about 7 m above sea level, and is given in millibars and tenths.
- 4. wind speed and direction were obtained from a readout on the bridge of the R/V New Horizon and are given in knots and degrees true.
- 5. dry and wet bulb temperatures were read from thermometers mounted in a box on the ship's pilot house and are given in degrees Celsius and tenths.

Station Positions Depths Meteorological Log

Station	Latitude N	Longitude W	Depth (m)	Atm. pres. (mb)		Wind (°true)	Dry °C	Wet °C	Date GMT	Time GMT
0	32°32.08' N	118° 7.92' W	1900	1014.6	14.	280.	20.7	18.1	19 Aug 1989	20:44
1 2	31°37.08' N 31°42.87' N	126° 0.11' W 126°12.07' W	4350 2850	1015.4 1016.5	14. 10.	0. 0.	19.0 19.0	18.0 16.0	21 Aug 1989 21 Aug 1989	14:34 18:27
3	31°44.68' N	126°14.78' W	1515	1015.8	6.	2.	20.3	18.3	21 Aug 1989	21:40
4	31°49.15' N	126°21.95' W	3925	1015.1	6.	3.	18.7	17.5	21 Aug 1989	23:59
5 6	31°56.16' N 32° 4.83' N	126°36.07' W 126°50.81' W	4260 2400	1015.8 1015.8	6. 6.	340. 335.	19.5 18.4	17.8 18.1	22 Aug 1989 22 Aug 1989	03:39 07:08
7	32° 6.16' N	126°54.99' W	1260	1015.2	8.	345.	18.5	18.2	22 Aug 1989	09:28
8	32° 7.91' N	126°59.64' W	3020	1015.2	13.	340.	18.2	18.2	22 Aug 1989	11:24
9 10	32°13.89' N 32°15.88' N	127° 9.83' W 127°14.83' W	3000 1070	1016.3 1017.5	13. 14.	15. 20.	18.4 18.2	17.1 17.3	22 Aug 1989 22 Aug 1989	14:41 17:21
11	32°17.88' N	127°19.83' W	3593	1018.0	11.	10.	18.9	17.8	22 Aug 1989	18:51
12 13	32°21.25' N 32°23.07' N	127°29.86' W 127°35.94' W	4183 3200	1017.6 1017.6	15. 10.	3. 10.	19.8 19.3	17.5 17.2	22 Aug 1989 23 Aug 1989	22:00 00:32
14	32°24.03' N	127°41.19' W	1350	1018.0	13.	10.	18.9	17.7	23 Aug 1989	03:01
15 16	32°26.05' N 32°29.17' N	127°45.92' W 127°50.68' W	480 1625	1018.8 1019.0	12. 10.	0. 350.	19.5 19.3	18.1 18.1	23 Aug 1989 23 Aug 1989	04:35 05:53
17	32°30.13' N	127°55.84' W	3810	1019.4	8.	0.	18.6	18.1	23 Aug 1989	07:38
18	32°32.14' N	128° 1.00' W	4050	1019.4	10.	10.	18.8	18.5	23 Aug 1989	10:21
19 20	31°59.04' N 32°12.37' N	128°41.38' W 128°33.21' W	4125 4425	1021.2 1021.8	13. 16.	12. 35.	19.6 19.9	18.4 17.3	23 Aug 1989 23 Aug 1989	16:48 20:17
21	32°25.21' N	128°25.22' W	4250	1021.2	15.	25.	19.6	16.2	24 Aug 1989	00:04
22 23	32°39.07' N 32°52.51' N	128°17.09' W 128° 9.02' W	4400 4400	1021.6 1021.7	16. 18.	25. 15.	19.0 18.6	16.6 16.5	24 Aug 1989 24 Aug 1989	03:41 07:39
24	33° 5.62' N	128° 0.94' W	4500	1021.3	13.	20.	18.5	16.1	24 Aug 1989	11:36
25 26	33°19.17' N 33°12.06' N	127°52.71' W 127°36.60' W	4525 4500	1021.3 1021.1	15. 17.	0. 5.	19.4 19.6	16.8 17.2	24 Aug 1989 24 Aug 1989	14:48 18:17
27	32°59.22' N	127°44.74' W	4225	1019.6	18.	5.	20.1	17.4	24 Aug 1989	21:38
28	32°45.57' N	127°52.66' W	4525	1018.3	22.	0.	20.1	17.2	25 Aug 1989	01:09
29 30	32°32.59' N 32°19.10' N	128° 0.77' W 128° 8.88' W	4400 4350	1018.8 1018.5	16. 12.	5. 355.	19.4 18.8	17.2 16.4	25 Aug 1989 25 Aug 1989	05:08 09:17
31	32° 5.82' N	128°16.92' W	4400	1018.0	17.	5.	19.2	18.1	25 Aug 1989	14:23
32 33	31°52.31' N 31°46.03' N	128°24.98' W 128°10.30' W	4425 4325	1017.9 1017.5	11. 14.	350. 0.	20.1	17.0 17.6	25 Aug 1989 25 Aug 1989	17:38 20:55
34	31°58.36' N	128° 2.32' W	4150	1016.2	14.	5.	19.8	17.0	26 Aug 1989	00:15
35 36	32°12.90' N 32°19.12' N	127°54.80' W 127°50.46' W	3950 3000	1016.3 1016.3	12. 12.	345. 10.	19.7 19.3	18.0 17.9	26 Aug 1989	03:25 06:18
37	32°22.76' N	127°47.91' W	1500	1016.4	10.	0.	19.3	17.9	26 Aug 1989 26 Aug 1989	08:35
38	32°25.87' N	127°46.16' W	480	1016.0	15.	30.	18.8	17.9	26 Aug 1989	10:05
39 40	32°29.06' N 32°32.21' N	127°44.10' W 127°42.85' W	1500 3200	1015.8 1015.9	12. 9.	25. 0.	19.0 19.1	18.0 18.0	26 Aug 1989 26 Aug 1989	11:36 13:09
41	32°39.75' N	127°37.44' W	4325	1017.1	11.	20.	19.2	16.0	26 Aug 1989	15:44
42 43	32°52.85' N 33° 4.70' N	127°29.28' W 127°22.33' W	4450 4300	1018.0 1017.4	15. 11.	355. 350.	19.0 19.5	17.2 16.7	26 Aug 1989 26 Aug 1989	19:26 22:45
44	32°58.05' N	127° 6.54' W	4325	1016.8	12.	5.	19.6	15.8	27 Aug 1989	02:04
45 46	32°47.16' N 32°33.21' N	127°13.66' W 127°22.23' W	4400 4400	1018.2 1018.3	11. 9.	355. 10.	19.5 19.3	16.0 16.2	27 Aug 1989 27 Aug 1989	05:01 08:13
47	32°21.12' N	127°29.94' W	4100	1017.6	12.	15.	19.1	16.0	27 Aug 1989	11:49
48 49	32° 5.59' N 31°51.97' N	127°38.84' W 127°47.40' W	4300 4350	1018.8 1019.3	12. 8.	0. 20.	19.0 20.1	16.2 16.9	27 Aug 1989 27 Aug 1989	16:17 20:11
50	31°38.69' N	127°55.42' W	4475	1018.0	10.	15.	20.3	17.5	27 Aug 1989	23:22
51 52	31°32.20' N 31°45.25' N	127°41.25' W 127°33.43' W	4100 4300	1018.1 1019.3	9. 12.	15. 40.	19.4 19.1	16.2 16.7	28 Aug 1989	02:35
53	31°59.19' N	127°24.95' W	4350	1019.2	6.	340.	18.7	16.7	28 Aug 1989 28 Aug 1989	05:45 08:56
54 55	32°12.13' N 32°16.15' N	127°17.09' W 127°15.05' W	3200 1060	1018.4 1018.0	8. 9.	340. 5.	18.3 18.5	16.0 17.1	28 Aug 1989	12:46
56	32°20.09' N	127°12.47' W	3125	1018.7	12.	5.	18.0	17.1	28 Aug 1989 28 Aug 1989	14:54 16:12
57	32°26.87' N	127° 8.17' W 126°59.95' W	4425	1019.3	7.	15.	18.8	17.5	28 Aug 1989	18:35
58 59	32°39.98' N 32°53.82' N	126°52.05' W	4400 4350	1018.0 1017.4	10. 13.	5. 10.	19.3 18.7	17.0 17.4	28 Aug 1989 29 Aug 1989	22:24 01:52
60	32°45.13' N	126°31.27' W	4350	1018.1	9.	15.	18.5	15.5	29 Aug 1989	05:37
61 62	32°31.56' N 32°18.26' N	126°39.32' W 126°47.26' W	4375 4250	1018.0 1017.4	10. 7.	350. 340.	18.5 18.8	15.5 16.2	29 Aug 1989 29 Aug 1989	08:48 12:06
63	32°10.64' N	126°51.94' W	3350	1018.0	11.	340.	18.2	16.0	29 Aug 1989	15:14
64 65	32° 6.20' N 32° 1.27' N	126°55.46' W 126°57.60' W	1275 2950	1018.8 1019.0	17. 14.	340. 0.	17.8 19.0	16.4 16.2	29 Aug 1989 29 Aug 1989	17:39 19:26
66	31°49.62' N	127° 4.48' W	4325	1017.9	14.	20.	19.8	16.4	29 Aug 1989	22:28
67 68	31°37.18' N 31°23.47' N	127°12.43' W 127°20.78' W	4050 4200	1017.8	9.	5.	19.3	16.2	30 Aug 1989	02:12
69	31°14.43' N	127° 1.10' W	4200	1018.9 1018.0	8. 12.	15. 350.	19.5 19.2	16.5 17.0	30 Aug 1989 30 Aug 1989	05:21 08:58
70	31°27.41' N	126°53.05' W	4100	1017.1	10.	345.	18.6	18.0	30 Aug 1989	12:12
71 72	31°40.89' N 31°56.13' N	126°45.12' W 126°35.96' W	4325 4225	1017.8 1018.4	16. 15.	350. 20.	20.3 18.8	16.8 15.8	30 Aug 1989 30 Aug 1989	15:25 19:30
73	32°10.13' N	126°27.39' W	4275	1016.8	15.	15.	18.5	15.5	30 Aug 1989	23:25
74	32°23.03' N	126°20.39' W	4225	1016.2	13.	0.	19.3	16.4	31 Aug 1989	03:04

Station	Latitude N	Longitude W	Depth (m)	Atm. pres. (mb)		Wind ('true)	Dry °C	Wet °C	Date GMT	Time GMT
75 ·	32°36.51' N	126°11.63' W	4350	1016.5	16.	0.	18.0	15.9	31 Aug 1989	06:21
76	32°27.27' N	125°49.07' W	4300	1016.3	8.	355.	18.1	15.2	31 Aug 1989	10:08
77	32°13.69' N	125°57.18' W	4357	1016.1	11.	345.	18.0	15.5	31 Aug 1989	13:32
78	32° 0.59' N	126° 5.20' W	4050	1017.0	12.	0.	19.0	14.9	31 Aug 1989	16:42
79	31°48.31' N	126°12.21' W	2950	1016.5	11.	5.	19.7	16.1	31 Aug 1989	20:10
80	31°45.22' N	126°15.48' W	1400	1015.8	14.	5.	19.7	16.2	31 Aug 1989	22:48
81	31°40.81' N	126°17.03' W	3000	1015.8	10.	15.	19.9	16.2	01 Sep 1989	00:30
82	31°31.11' N	126°23.28' W	4350	1015.7	9.	10.	19.5	16.7	01 Sep 1989	03:19
	31°17.85' N	126°30.87' W	4275	1016.7	14.	15.	19.5	16.4	01 Sep 1989	07:06
84	31° 4.16' N	126°38.89' W	4350	1016.3	12.	15.	19.1	16.2	01 Sep 1989	10:23

CTD Data

Station	0	Latitude			-	ude 118°	07.92'W	19	Aug 1989	GMT 2		Bottom	
Pres.	Depth	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	kg/m ³	kg/m ³	10 ⁸ m ³ /kg		LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 70.0 80.0 90.0	.0 10.0 19.9 29.8 39.8 59.8 69.7 79.7 89.6	18.945 17.776 14.608 13.354 12.152 11.442 10.912 10.686 10.553 10.404	18.945 17.774 14.605 13.349 12.147 11.436 10.905 10.677 10.543 10.394	33.592 33.547 33.434 33.453 33.458 33.618 33.776 33.845 33.928	23.961 24.215 24.851 25.087 25.360 25.528 25.717 25.880 25.957 26.048	23.961 24.259 24.259 25.220 25.752 25.752 26.195 26.317 26.453	23.961 24.215 24.850 25.086 25.359 25.716 25.716 25.879 25.879 26.046	393.8 369.8 309.6 287.3 261.5 245.7 228.0 212.7 205.5 197.1	.000 .386 .730 1.026 1.301 1.555 1.792 2.008 2.218 2.419	88.8 88.3 88.0 87.3 87.9 88.9 90.0 90.3 90.5	1517.5 1514.3 1504.5 1500.6 1496.7 1494.4 1492.9 1492.4 1492.2 1491.9	.0 1.9 7.6 16.3 27.9 42.2 58.8 77.7 98.8 121.8	351.4 412.3 218.6 206.9 196.9 370.4 9 103.0 59.4
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.5 109.5 119.4 129.4 139.3 149.3 159.2 169.1 179.1	10.305 10.206 10.147 10.075 10.069 10.037 9.987 9.962 9.894 9.857	10.294 10.193 10.133 10.060 10.053 10.020 9.968 9.942 9.874 9.835	33.970 34.007 34.068 34.106 34.135 34.158 34.171 34.182 34.192 34.211	26.098 26.144 26.202 26.244 26.268 26.291 26.310 26.323 26.343 26.364	26.548 26.639 26.742 26.830 26.899 26.967 27.031 27.089 27.153 27.220	26.096 26.142 26.200 26.242 26.265 26.288 26.307 26.320 26.339 26.361	192.7 188.5 183.2 179.3 177.3 175.4 173.8 172.8 171.1 169.3	2.614 2.805 2.991 3.172 3.350 3.527 3.701 3.875 4.046 4.217	90.5 90.4 90.4 90.3 90.3 90.3 90.4 90.4	1491.8 1491.7 1491.6 1491.8 1491.9 1491.9 1492.0 1491.9	146.9 173.8 202.6 233.3 265.7 299.9 335.8 373.5 412.8 453.9	46.5 46.2 64.6 36.2 21.6 31.0 7.3 18.1 17.5
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	198.9 208.9 218.8 228.8 238.7 248.6 258.6 258.6 268.5 278.4 288.4	9.780 9.677 9.563 9.173 8.856 8.795 8.895 8.895 8.985 8.719	9.757 9.653 9.538 9.148 8.830 8.768 8.869 8.8956 8.813	34.217 34.219 34.221 34.212 34.191 34.232 34.237 34.232 34.232 34.291	26.382 26.401 26.421 26.478 26.512 26.538 26.560 26.586 26.612	27.283 27.347 27.414 27.517 27.598 27.651 27.714 27.780 27.852 27.924	26.378 26.418 26.474 26.508 26.516 26.534 26.555 26.581 26.607	167.8 166.2 164.3 159.1 155.9 155.3 153.8 153.8 149.7 147.3	4.385 4.552 4.717 4.879 5.036 5.192 5.346 5.499 5.650 5.799	90.4 90.5 90.6 90.6 90.6 90.6 90.6	1491.8 1491.6 1491.4 1489.0 1489.0 1489.6 1490.1 1489.7 1489.5	496.6 541.0 587.1 634.8 684.0 734.8 787.2 841.0 896.4 953.2	8.4 28.3 49.7 38.5 34.3 18.2 16.5 17.1 27.9
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.3 308.2 318.1 328.1 338.0 347.9 357.9 367.8 377.7 387.6	8.539 8.439 8.450 8.401 8.380 8.391 8.233 8.128 7.993	8.508 8.406 8.417 8.366 8.345 8.354 8.196 8.090 7.955 7.858	34.272 34.266 34.308 34.320 34.331 34.346 34.354 34.354 34.352 34.348	26.625 26.636 26.667 26.684 26.707 26.728 26.753 26.772 26.783	27.984 28.040 28.117 28.180 28.237 28.292 28.360 28.431 28.495 28.553	26.621 26.631 26.662 26.680 26.701 26.722 26.747 26.766 26.777	146.1 145.3 142.5 141.0 140.0 139.3 137.4 135.1 135.5	5.946 6.091 6.236 6.378 6.518 6.658 6.796 6.932 7.066 7.199	90.6 90.5 90.5 90.5 90.4 90.4 90.3 90.3	1488.9 1488.7 1488.9 1488.9 1489.0 1489.3 1488.8 1488.6 1488.2 1488.2	1011.6 1071.3 1132.5 1195.2 1259.2 1324.6 1391.3 1459.5 1529.0 1599.8	12.4 5.0 34.3 10.9 -1.4 20.6 24.1 35.5 9.1
400.0 410.0 420.0 430.0 440.0 450.0 470.0 480.0 490.0	397.6 407.5 417.4 427.3 437.3 447.2 457.1 467.0 476.9 486.9	7.744 7.714 7.635 7.494 7.488 7.447 7.282 7.089 7.011 6.952	7.705 7.674 7.594 7.452 7.445 7.403 7.237 7.237 7.966 6.906	34.356 34.369 34.369 34.373 34.379 34.356 34.334 34.329 34.329	26.812 26.819 26.834 26.859 26.862 26.874 26.879 26.888 26.896 26.903	28.628 28.681 28.742 28.814 28.863 28.919 28.972 29.029 29.082 29.136	26.806 26.813 26.828 26.853 26.857 26.867 26.873 26.882 26.889 26.897	129.8 129.2 128.0 125.6 125.4 124.6 124.0 123.1 122.5 121.9	7.331 7.460 7.589 7.716 7.841 7.967 8.091 8.215 8.337 8.460	90.1 89.8 89.9 89.8 89.8 89.6 89.6	1487.6 1487.7 1487.5 1487.3 1487.3 1486.8 1486.2 1486.0 1486.0	1671.9 1745.3 1819.9 1895.9 1973.0 2051.5 2131.1 2212.0 2294.1 2377.4	15.2 11.4 20.5 9.0 6.1 16.4 2.0 16.6 12.5 27.7
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	496.8 506.7 516.6 526.5 536.4 556.3 566.2 576.1 586.0	6.704 6.641 6.629 6.613 6.585 6.424 6.310 6.223 6.157 6.065	6.658 6.594 6.582 6.564 6.535 6.374 6.260 6.173 6.106	34.317 34.313 34.312 34.312 34.310 34.310 34.314 34.323 34.324 34.325	26.927 26.934 26.935 26.936 26.940 26.959 26.978 26.996 27.005 27.018	29.208 29.260 29.307 29.354 29.404 29.471 29.536 29.601 29.656 29.715	26.921 26.927 26.928 26.930 26.933 26.953 26.971 26.989 26.999	119.5 119.0 119.0 118.9 118.7 116.8 115.1 113.5 112.6 111.5	8.580 8.700 8.818 8.938 9.056 9.174 9.290 9.405 9.518 9.630	89.4 89.3 89.3 89.3 89.4 89.4 89.4	1485.1 1485.0 1485.2 1485.3 1485.3 1484.8 1484.6 1484.4 1484.4	2461.9 2547.6 2634.5 2722.5 2811.7 2902.1 2993.6 3086.3 3180.1 3275.0	14.8 -1.3 1.3 3.4 12.1 15.0 17.1 -8 16.8 25.5
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	595.9 605.8 615.8 625.7 635.6 645.3 675.2 685.1	6.079 5.892 5.990 5.705 5.618 5.557 5.486 5.493 5.430	6.026 5.839 5.935 5.651 5.625 5.562 5.501 5.430 5.436 5.372	34.333 34.326 34.348 34.338 34.354 34.351 34.376 34.376 34.380 34.377	27.023 27.041 27.045 27.073 27.085 27.096 27.117 27.130 27.133 27.138	29.766 29.832 29.881 29.958 30.015 30.074 30.141 30.200 30.248 30.300	27.016 27.034 27.039 27.067 27.078 27.090 27.111 27.123 27.126 27.131	111.1 109.3 109.2 106.3 105.3 104.2 102.3 101.1 101.0 100.6	9.741 9.852 9.961 10.068 10.174 10.279 10.382 10.484 10.585 10.686	89.6 89.7 89.7 89.8 89.8 89.8 89.9 89.9	1484.3 1483.7 1484.3 1483.3 1483.4 1483.3 1483.2 1483.1 1483.3 1483.2	3371.0 3468.2 3566.3 3665.6 3765.9 3867.2 3969.6 4073.0 4177.4 4282.7	8.3 16.4 19.1 21.1 3.0 13.2 19.6 15.2 1.5 4.1
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0	695.0 704.9 714.8 724.7 734.6 754.5 754.5 764.4 774.3 784.2	5.423 5.391 5.360 5.320 5.236 5.174 5.150 5.112 5.087 5.048	5.364 5.332 5.300 5.259 5.175 5.112 5.088 5.049 5.023 4.983	34.382 34.383 34.388 34.393 34.401 34.398 34.403 34.406 34.408	27.143 27.147 27.155 27.164 27.180 27.185 27.191 27.198 27.203 27.214	30.351 30.401 30.455 30.510 30.573 30.625 30.677 30.730 30.781 30.838	27.136 27.140 27.148 27.157 27.173 27.178 27.184 27.191 27.196 27.206	100.2 99.8 99.2 98.4 96.9 96.4 95.3 94.9 93.9	10.786 10.886 10.986 11.085 11.182 11.279 11.375 11.470 11.566 11.660	89.9 90.2 90.2 90.3 90.3 90.3 90.3	1483.4 1483.4 1483.4 1483.3 1483.3 1483.3 1483.3 1483.3 1483.3	4389.1 4496.5 4604.8 4714.1 4824.4 4935.6 5047.8 5160.9 5275.0 5390.0	13.2 3.2 12.6 5.0 9.1 4.4 9.4 1.8 8.5 12.6
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0	794.1 804.0 813.9 823.8 833.7 843.6 853.5 863.4 873.3 883.2	4.990 4.933 4.874 4.850 4.793 4.728 4.696 4.674 4.597 4.591	4.925 4.867 4.808 4.725 4.660 4.628 4.604 4.527	34.421 34.426 34.426 34.433 34.439 34.441 34.442 34.449	27.220 27.232 27.242 27.246 27.257 27.269 27.274 27.278 27.292 27.292	30.891 30.949 31.006 31.055 31.114 31.172 31.223 31.273 31.334 31.381	27.213 27.224 27.235 27.238 27.250 27.261 27.266 27.270 27.284 27.285	93.4 92.3 91.3 91.1 90.0 88.4 88.2 86.8	11.754 11.847 11.939 12.030 12.120 12.210 12.219 12.387 12.474 12.561	90.4 90.5 90.5 90.6 90.6 90.7 90.6 90.6	1483.3 1483.2 1483.1 1483.2 1483.1 1483.1 1483.2 1483.0 1483.2	5505.9 5622.7 5740.5 5859.1 5978.6 6099.1 6220.3 6342.5 6342.5 6589.4	5.3 3.8 2.1 7.9 17.0 12.0 9.4 12.3
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.0 902.9 912.8 922.7 932.6 942.5 952.4 962.3 972.2 982.1	4.577 4.566 4.545 4.479 4.415 4.375 4.368 4.341 4.298 4.284	4.505 4.494 4.473 4.406 4.341 4.301 4.293 4.266 4.222 4.207	34.450 34.451 34.452 34.457 34.461 34.464 34.465 34.468 34.468	27.295 27.297 27.300 27.312 27.321 27.328 27.329 27.333 27.340 27.340	31.429 31.477 31.526 31.584 31.641 31.694 31.741 31.791 31.844 31.892	27.287 27.289 27.292 27.304 27.313 27.320 27.321 27.325 27.332 27.3334	86.7 86.5 86.3 85.2 84.2 83.6 83.6 82.5	12.648 12.734 12.821 12.907 12.992 13.075 13.159 13.243 13.326 13.408	90.6 90.5 90.6 90.6 90.7 90.7 90.6 90.6	1483.3 1483.4 1483.5 1483.3 1483.3 1483.4 1483.5 1483.4	6714.2 6839.8 6966.2 7093.5 7221.6 7350.5 7480.3 7610.9 7742.3 7874.5	2.9 15.3 10.0 19.6 1.2 5.6 4.1 1.2 3.3

Station	0	Latitude	32° 32.	08'N	Longitu	de 118°	07.92'W	19	Aug 1989	GMT 20	1:44	Bottom	1900 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-θ kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0 1120.0 1140.0 1160.0	992.0 1011.8 1031.5 1051.3 1071.1 1090.9 1110.6 1130.4 1150.2 1169.9	4.234 4.204 4.159 4.095 4.046 4.016 3.974 3.874 3.8772 3.697	4.157 4.125 4.070 4.013 3.963 3.932 3.888 3.807 3.685 3.609	34.471 34.477 34.482 34.485 34.487 34.491 34.497 34.508 34.513	27.349 27.355 27.362 27.373 27.381 27.385 27.393 27.406 27.427 27.438	31.946 32.044 32.144 32.246 32.346 32.442 32.542 32.542 32.764 32.868	27.341 27.347 27.354 27.364 27.372 27.376 27.384 27.397 27.418 27.429	81.8 81.4 80.8 79.8 79.2 78.9 78.9 74.8 73.7	13.490 13.653 13.815 13.976 14.135 14.293 14.450 14.606 14.757 14.905	90.6 90.5 90.5 90.5 90.5 90.5 90.5	1483.5 1483.7 1483.8 1483.9 1484.1 1484.3 1484.4 1484.3 1484.3	8007.6 8276.0 8547.7 8822.5 9100.4 9381.5 9665.6 9052.8 10243.0 10536.1	3.0 10.9 6.5 5.0 1.8 9.2 20.0 3.0
1200.0 1220.0 1240.0 1260.0 1280.0 1300.0 1320.0 1340.0	1189.7 1209.5 1229.2 1249.0 1268.7 1288.5 1308.2 1328.0 1337.8	3.589 3.531 3.475 3.422 3.360 3.319 3.264 3.240 3.213	3.500 3.441 3.384 3.330 3.267 3.224 3.168 3.142 3.115	34.522 34.526 34.530 34.533 34.538 34.541 34.546 34.547 34.549	27.456 27.465 27.474 27.482 27.492 27.498 27.507 27.510	32.980 33.082 33.183 33.284 33.386 33.485 33.586 33.681 33.732	27.447 27.456 27.465 27.473 27.483 27.489 27.498 27.501 27.505	71.9 71.1 70.3 69.5 68.6 68.0 67.2 66.9 66.5	15.051 15.194 15.336 15.475 15.613 15.750 15.885 16.019 16.086	90.5 90.6 90.5 90.5 90.5 90.5 90.5 90.5	1484.2 1484.3 1484.4 1484.5 1484.5 1484.7 1484.8 1485.0 1485.1	10832.1 11130.9 11432.5 11736.9 12043.9 12353.7 12666.1 12981.1 13139.6	5.3 8.6 3.6 8.3 10.9 8.6 4.2

Station	1	Latitude	31° 37.	08'N	Longit	ude 126°	00.11'W	21	Aug 1989	GMT 1	4:34	Bottom	4350 m
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma -0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	-	LTR 0/0	SV m/s	m ³ /s ²	$10^{6}/s^{2}$
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.8 59.8 69.8 79.8 89.7	18.807 18.806 18.808 18.810 18.740 18.511 18.274 17.363 15.772	18.807 18.804 18.805 18.733 18.503 18.264 17.352 15.933 15.758	33.419 33.420 33.426 33.450 33.453 33.453 33.521 33.557	23.863 23.864 23.863 23.863 23.963 24.024 24.253 24.626 24.693	23.863 23.907 23.951 23.994 24.061 24.180 24.286 24.559 24.977 25.089	23.863 23.864 23.863 23.866 23.866 23.961 24.022 24.022 24.623 24.690	403.1 403.4 403.7 404.1 402.2 395.4 389.8 368.3 332.9 326.8	.000 .403 .807 1.211 1.615 2.012 2.406 2.788 3.136 3.466	90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.1	1516.9 1517.1 1517.3 1517.4 1517.4 1516.9 1516.4 1513.9 1509.8 1509.5	.0 2.0 8.0 18.1 32.2 50.3 72.3 98.2 127.7 160.6	1.1 .9 .8 119.1 23.6 86.2 354.6 260.6 21.7
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	15.632 15.608 14.921 14.496 13.616 12.734 12.214 11.218 10.339 9.726	15.616 15.591 14.903 14.477 13.596 12.714 12.193 11.197 10.318 9.704	33.697 33.707 33.739 33.713 33.642 33.592 33.594 33.575 33.606 33.675	24.832 24.846 25.022 25.093 25.221 25.359 25.461 25.631 25.810 25.967	25.272 25.329 25.551 25.667 25.842 26.027 26.175 26.393 26.620 26.824	24.829 24.842 25.018 25.089 25.217 25.355 25.457 25.627 25.806 25.964	313.9 312.9 296.3 289.8 277.6 264.6 255.0 238.8 221.7 206.8	3.790 4.103 4.405 4.699 4.982 5.252 5.511 5.757 5.987 6.201	90.2 90.2 90.4 90.5 90.5 90.6 90.7 90.8	1509.4 1509.5 1507.5 1506.3 1500.6 1499.0 1495.7 1492.8 1490.8	196.7 236.0 278.4 323.7 371.9 422.9 476.4 532.5 590.9 651.5	228.1 173.7 27.5 86.5 103.4 105.0 219.9 129.9
200.0 210.0 220.0 230.0 240.0 250.0 270.0 280.0 290.0	199.2 209.1 219.1 229.0 238.9 248.9 258.8 268.7 278.7 288.6	9.340 9.062 8.832 8.665 8.534 8.476 8.355 8.257 7.945 7.878	9.319 9.040 8.808 8.641 8.509 8.450 8.329 8.329 7.917 7.849	33.739 33.820 33.889 33.931 33.955 33.965 33.985 33.984 33.999	26.080 26.188 26.279 26.337 26.376 26.394 26.428 26.442 26.500 26.509	26.984 27.138 27.275 27.380 27.465 27.528 27.608 27.667 27.772 27.828	26.076 26.185 26.275 26.334 26.373 26.390 26.424 26.428 26.496 26.505	196.1 186.0 177.5 172.1 168.5 167.0 163.9 162.7 157.2 156.5	6.404 6.595 6.777 6.951 7.122 7.290 7.455 7.618 7.779 7.935	90.8 90.8 90.8 90.8 90.8 90.8 90.8	1489.6 1488.8 1488.8 1487.5 1487.5 1487.5 1487.0 1485.9	714.1 778.8 845.2 913.4 983.4 1055.0 1128.2 1203.1 1279.6 1357.6	124.5 97.3 41.0 41.0 8.5 27.8 25.6 47.6 8.7
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0	298.5 308.5 318.4 328.3 338.3 348.2 358.1 368.0 378.0 387.9	7.816 7.612 7.392 7.216 7.036 6.903 6.761 6.687 6.563 6.434	7.786 7.582 7.361 7.185 7.004 6.871 6.728 6.653 6.528 6.400	33.998 34.001 34.007 34.013 34.014 34.011 34.023 34.027 34.033	26.519 26.550 26.586 26.616 26.642 26.658 26.676 26.716 26.737	27.883 27.961 28.044 28.121 28.194 28.256 28.322 28.387 28.454 28.522	26.514 26.546 26.582 26.612 26.638 26.653 26.672 26.691 26.711 26.733	155.7 152.7 149.4 146.6 144.1 142.7 141.0 139.2 137.4 135.4	8.092 8.245 8.397 8.545 8.691 8.834 8.976 9.116 9.254 9.390	90.8 90.7 90.7 90.7 90.7 90.7 90.6 90.7 90.7	1485.8 1485.2 1484.5 1484.0 1483.4 1483.1 1482.7 1482.6 1482.2 1481.9	1437.2 1518.3 1601.0 1685.1 1770.7 1857.7 1946.1 2035.9 2127.0 2219.6	4.0 6.3 22.6 36.4 37.5 16.7 10.8 8.8 7.0 15.2
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.8 407.7 417.7 427.6 437.5 447.4 457.4 467.3 477.2 487.1	6.372 6.286 6.137 6.040 5.945 5.710 5.609 5.604 5.649	6.337 6.250 6.101 6.002 5.907 5.570 5.570 5.565 5.609	34.044 34.050 34.058 34.065 34.072 34.061 34.069 34.102 34.106	26.755 26.770 26.796 26.813 26.851 26.852 26.864 26.871 26.892 26.900	28.585 28.647 28.720 28.784 28.848 28.917 28.976 29.029 29.095 29.149	26.750 26.766 26.792 26.809 26.826 26.847 26.859 26.866 26.887 26.895	133.9 132.4 130.0 128.4 126.8 124.7 123.6 123.1 121.3 120.6	9.525 9.658 9.789 9.919 10.046 10.172 10.297 10.420 10.542 10.663	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1481.8 1481.7 1481.2 1481.0 1480.8 1480.0 1479.8 1479.9 1480.3 1480.3	2313.5 2408.7 2505.2 2602.9 2702.0 2802.3 2903.9 3006.6 3110.6 3215.8	20.1 12.8 15.7 9.0 18.0 29.1 18.3 21.4 8.6
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0	497.0 507.0 516.9 526.8 536.7 546.6 556.5 576.4 586.3	5.546 5.400 5.353 5.300 5.272 5.240 5.210 5.185 5.149 5.100	5.504 5.358 5.310 5.257 5.228 5.195 5.165 5.139 5.102 5.053	34.118 34.130 34.136 34.160 34.165 34.165 34.178 34.188 34.201 34.213	26.917 26.944 26.955 26.979 26.985 27.005 27.016 27.031 27.045	29.213 29.287 29.344 29.415 29.467 29.519 29.579 29.636 29.697 29.757	26.912 26.939 26.949 26.974 26.980 26.986 26.999 27.010 27.025 27.039	119.0 116.5 115.5 113.2 112.8 112.3 111.1 110.1 108.8 107.5	10.783 10.900 11.017 11.131 11.244 11.356 11.468 11.579 11.688 11.796	90.6 90.6 90.6 90.6 90.7 90.6 90.6 90.5	1480.2 1479.8 1479.8 1479.8 1479.8 1479.9 1479.9 1480.0 1480.0	3322.1 3429.7 3538.3 3648.2 3759.1 3871.2 3984.3 4098.6 4213.9 4330.3	8.9 8.0 29.7 16.5 11.2 2.5 6.3 15.3 7.4 13.0
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.7 665.6 675.5 685.4	5.078 5.046 5.009 5.001 4.910 4.907 4.898 4.874 4.820	5.030 4.997 4.959 4.959 4.958 4.858 4.845 4.845 4.819 4.766	34.228 34.232 34.244 34.256 34.268 34.275 34.292 34.300 34.305 34.312	27.060 27.067 27.080 27.091 27.100 27.117 27.131 27.138 27.145 27.157	29.818 29.871 29.931 29.988 30.042 30.105 30.165 30.218 30.271 30.330	27.054 27.061 27.075 27.086 27.094 27.111 27.124 27.132 27.138 27.150	106.2 105.6 104.4 103.5 102.8 101.2 100.0 99.4 98.9 97.8	11.903 12.009 12.114 12.218 12.321 12.423 12.524 12.623 12.722 12.821	90.6 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1480.1 1480.2 1480.3 1480.3 1480.5 1480.5 1480.6 1480.6	4447.8 4566.3 4685.9 4806.4 4928.1 5050.7 5174.3 5298.9 5424.4 5551.0	28.2 2.5 15.6 10.1 13.0 11.0 2.2 76.3 8.6
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 754.7 764.6 774.5 784.4	4.768 4.731 4.656 4.643 4.609 4.579 4.550 4.478 4.429 4.408	4.712 4.675 4.600 4.586 4.551 4.521 4.491 4.419 4.369 4.347	34.321 34.326 34.329 34.336 34.340 34.344 34.347 34.356 34.359 34.363	27.170 27.177 27.189 27.196 27.203 27.209 27.215 27.230 27.237 27.243	30.389 30.443 30.502 30.554 30.668 30.660 30.712 30.774 30.828 30.880	27.163 27.171 27.183 27.189 27.197 27.203 27.208 27.223 27.231 27.236	96.6 95.9 94.8 94.2 93.6 93.6 91.2 90.5	12.918 13.014 13.109 13.204 13.298 13.391 13.484 13.575 13.666 13.756	90.5 90.5 90.5 90.5 90.5 90.5 90.5	1480.6 1480.6 1480.5 1480.6 1480.7 1480.7 1480.6 1480.6	5678.5 5806.9 5936.3 6066.6 6197.9 6330.1 6463.1 6597.1 6732.0 6867.8	12.2 6.3 7.2 8.1 5.4 2.2 12.5 11.6 7.8 4.8
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.384 4.348 4.326 4.304 4.286 4.260 4.230 4.189 4.168 4.130	4.323 4.285 4.263 4.240 4.222 4.195 4.165 4.123 4.101 4.063	34.374 34.384 34.389 34.393 34.402 34.407 34.415 34.420 34.425	27.254 27.266 27.272 27.278 27.282 27.290 27.297 27.308 27.314 27.323	30.937 30.996 31.048 31.100 31.150 31.204 31.257 31.315 31.367 31.422	27.247 27.260 27.266 27.271 27.276 27.283 27.290 27.301 27.307 27.316	89.0 87.9 87.4 86.9 86.6 85.2 84.7 83.7	13.846 13.934 14.022 14.109 14.196 14.282 14.368 14.452 14.536 14.620	90.6 90.5 90.5 90.6 90.5 90.4 90.5 90.5 90.4	1480.7 1480.7 1480.8 1480.9 1481.0 1481.1 1481.1 1481.1 1481.2 1481.2	7004.5 7142.0 7280.4 7419.6 7559.7 7700.7 7842.5 7985.1 8128.6 8272.9	7.2 14.5 1.0 8.4 1.9 5.7 8.4 5.5 14.2 6.3
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.6 972.5 982.4	4.113 4.081 4.070 4.059 4.048 4.022 3.983 3.950 3.963 3.938	4.045 4.012 4.001 3.989 3.977 3.950 3.911 3.877 3.889 3.863	34.431 34.435 34.439 34.445 34.450 34.454 34.455 34.455 34.465	27.329 27.336 27.340 27.346 27.351 27.357 27.361 27.365 27.372 27.378	31.474 31.527 31.576 31.629 31.680 31.732 31.782 31.833 31.885 31.938	27.322 27.329 27.332 27.339 27.344 27.350 27.354 27.358 27.365 27.371	82.4 81.8 81.5 81.0 80.6 80.7 79.3 78.8 78.2	14.702 14.784 14.866 14.947 15.028 15.108 15.168 15.268 15.347 15.425	90.5 90.4 90.5 90.5 90.5 90.5 90.5 90.5	1481.3 1481.5 1481.5 1481.6 1481.7 1481.8 1481.8 1481.8 1482.0 1482.1	8418.0 8563.9 8710.6 8858.1 9006.4 9155.4 9305.3 9456.0 9607.4 9759.6	9.6 6.1 4.6 2.9 3.7 26.7 7.9

Station	1	Latitude	31° 37.08'N	Longit	ude 126°	00.11'W	21	Aug 1989			Bottom	
Pres. db	Depth m	Temp.	Pot.T. \$al 'C 0/00	•	kg/m ³	kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0		m ³ /s ²	
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0 1120.0 1140.0 1160.0	992.3 1012.0 1031.8 1051.6 1071.4 1091.2 1110.9 1130.7 1150.5 1170.2	3.889 3.860 3.823 3.772 3.715 3.684 3.637 3.586 3.561 3.507	3.814 34.47 3.784 34.47 3.786 34.48 3.693 34.48 3.602 34.55 3.502 34.55 3.502 34.55 3.421 34.51	6 27.392 1 27.399 6 27.408 27.422 0 27.422 0 27.435 4 27.442 8 27.447	31.990 32.090 32.190 32.291 32.397 32.496 32.594 32.694 32.791 32.892	27.376 27.384 27.392 27.400 27.414 27.421 27.427 27.434 27.439 27.447	77.7 77.1 76.4 75.7 74.4 73.9 73.4 72.7 72.3 71.5	15.503 15.658 15.811 15.963 16.114 16.262 16.409 16.555 16.700 16.844	90.5 90.5 90.6 90.5 90.5 90.5 90.5 90.5	1482.1 1482.3 1482.5 1482.6 1482.7 1482.9 1483.0 1483.1 1483.4 1483.5	9912.5 10220.7 10532.0 10846.2 11163.3 11483.4 11806.4 12132.2 12460.9 12792.4	2.0 7.6 4.9 5.2 .3 2.0 .9 10.0 1.5 3.5
1200.0 1220.0 1240.0 1260.0 1280.0 1300.0 1320.0 1340.0 1360.0	1190.0 1209.7 1229.5 1249.3 1269.0 1288.8 1308.5 1328.3 1348.0 1367.8	3.487 3.445 3.409 3.368 3.291 3.255 3.212 3.167 3.124	3.399 34.51 3.355 34.52 3.276 34.52 3.276 34.52 3.197 34.53 3.159 34.53 3.159 34.53 3.068 34.54 3.024 34.54	1 27.470 5 27.476 8 27.482 9 27.489 5 27.502 27.509 6 27.516	32.990 33.089 33.188 33.286 33.385 33.484 33.582 33.681 33.781 33.880	27.454 27.461 27.467 27.480 27.487 27.4887 27.493 27.500 27.507 27.513	71.0 70.4 69.8 69.3 68.7 68.1 67.6 67.0 66.3	16.987 17.128 17.268 17.407 17.545 17.682 17.818 17.953 18.086 18.218	90.5 90.5 90.4 90.5 90.5 90.4 90.4	1483.7 1483.9 1484.1 1484.2 1484.3 1484.6 1484.8 1484.9 1485.1 1485.2	13126.7 13463.8 13803.6 14146.2 14491.4 15189.9 15543.2 15899.0 16257.4	8.5 4.8 7.4 1.5 2.4 2.1 -1.0 4.5
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.5 1407.3 1427.0 1446.7 1466.5 1486.2 1505.9 1525.7 1545.4 1565.1	3.083 3.039 2.999 2.946 2.921 2.887 2.842 2.806 2.772 2.730	2.982 34.55 2.937 34.55 2.896 34.55 2.842 34.56 2.780 34.56 2.734 34.56 2.697 34.57 2.662 34.57 2.618 34.57	5 27.536 B 27.542 9 27.548 0 27.551 4 27.556 B 27.565 1 27.570 4 27.575	33.979 34.077 34.175 34.274 34.369 34.467 34.567 34.664 34.762 34.860	27.520 27.526 27.532 27.538 27.542 27.547 27.555 27.560 27.565 27.571	65.1 64.4 63.9 63.3 63.0 62.5 61.7 61.3 60.8	18.348 18.478 18.606 18.733 18.860 18.985 19.109 19.232 19.354 19.475	90.4 90.5 90.4 90.5 90.5 90.4 90.4 90.4	1485.4 1485.5 1485.7 1485.0 1486.0 1486.4 1486.5 1486.7 1486.9	16618.4 16981.9 1737.9 17716.4 18087.4 18460.8 18836.6 19214.8 19595.4	4.5 3.1 9.5 2.5 1.1 4.0 6.1
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.6 1624.3 1644.0 1663.7 1683.4 1703.1 1722.8 1742.6 1762.3	2.702 2.664 2.638 2.603 2.538 2.490 2.457 2.428 2.403	2.589 34.57 2.550 34.58 2.523 34.58 2.486 34.58 2.453 34.58 2.419 34.58 2.370 34.58 2.336 34.59 2.305 34.59 2.279 34.60	1 27.590 4 27.595 7 27.601 27.604 27.609 9 27.613 27.618 7 27.624	34.956 35.053 35.150 35.247 35.343 35.439 35.535 35.632 35.731 35.827	27.575 27.581 27.585 27.591 27.594 27.602 27.608 27.614 27.618	59.8 59.3 58.8 58.0 57.1 56.0 55.6	19.595 19.714 19.832 19.949 20.066 20.181 20.296 20.409 20.522 20.633	90.4 90.5 90.4 90.4 90.4 90.4 90.4	1487.1 1487.3 1487.5 1487.7 1487.9 1488.1 1488.4 1488.6 1488.8	20363.7 20751.3 21141.3 21533.5 21928.0 22324.7 22723.6 23124.8 23528.1 23933.6	3.5 5.2 6.1 4.5 4.5 23.4 3.6
1800.0 1840.0 1840.0 1860.0 1900.0 1920.0 1940.0 1940.0 1980.0	1782.0 1801.7 1821.4 1841.1 1860.8 1880.5 1900.2 1919.8 1939.5 1959.2	2.371 2.345 2.320 2.296 2.269 2.243 2.225 2.210 2.194 2.179	2.246 34.60 2.219 34.60 2.192 34.60 2.166 34.60 2.138 34.60 2.111 34.61 2.092 34.61 2.075 34.61 2.058 34.61 2.041 34.62	27.635 27.639 27.643 27.647 27.652 27.654 27.657 27.662	35.921 36.016 36.112 36.207 36.303 36.399 36.492 36.586 36.586	27.621 27.625 27.629 27.632 27.637 27.641 27.643 27.646 27.650 27.654	55.3 54.9 54.5 54.2 53.8 53.1 52.5 52.5	20.744 20.854 20.964 21.072 21.180 21.288 21.394 21.500 21.606 21.710	90.4 90.4 90.4 90.3 90.4 90.4 90.4	1489.0 1489.3 1489.5 1489.7 1489.9 1490.2 1490.4 1490.7 1491.0 1491.2	24341.3 24751.1 25163.0 25577.1 25993.2 26411.4 26831.7 27254.0 27678.3 28104.7	1.8 1.0 4.5 1.0 1.3 1.6 1.6 3.1 4.0
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2300.0 2400.0 2450.0	1978.9 2028.1 2077.3 2126.5 2175.7 2224.8 2274.0 2323.1 2372.2 2421.4	2.164 2.110 2.067 2.035 1.997 1.970 1.938 1.901 1.867 1.839	2.024 34.62 1.967 34.62 1.921 34.63 1.885 34.63 1.844 34.64 1.776 34.64 1.736 34.64 1.698 34.64	27.675 27.682 27.687 27.694 27.698 27.702 27.708 27.714	36.868 37.105 37.339 37.570 37.804 38.034 38.264 38.264 38.727 38.957	27.655 27.663 27.670 27.675 27.682 27.686 27.690 27.695 27.701 27.705	52.1 51.3 50.3 49.7 49.4 49.5 48.0 47.7	21.815 22.073 22.328 22.580 22.830 23.078 23.324 23.567 23.809 24.048	90.3 90.4 90.4 90.4 90.4 90.4 90.4	1491.5 1492.1 1492.8 1493.5 1494.2 1494.9 1495.6 1497.0 1497.7	28533.1 29612.9 30705.1 31809.5 32925.9 34054.4 35194.7 36346.7 36710.4 38685.6	1.5 1.5 1.2 .1 2.8 .8
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2900.0	2470.4 2519.5 2568.6 2617.7 2666.8 2715.8 27164.8 2863.9 2862.9 2911.9	1.817 1.790 1.771 1.756 1.741 1.716 1.694 1.671 1.652 1.638	1.640 34.65 1.609 34.65 1.586 34.65 1.567 34.65 1.518 34.66 1.518 34.66 1.492 34.66 1.444 34.66 1.441 34.66	27.726 27.729 27.731 27.738 27.738 27.740 27.744 27.747	39.185 39.414 39.641 39.867 40.094 40.321 40.547 40.774 41.000 41.225	27.708 27.712 27.715 27.717 27.720 27.723 27.726 27.729 27.732 27.734	47.4 47.0 46.8 46.7 46.3 46.1 45.5 45.5	24.285 24.521 24.756 24.990 25.223 25.455 25.686 25.916 26.144 26.371	90.3 90.3 90.3 90.3 90.4 90.2 90.3 90.3	1498.4 1499.2 1499.9 1500.7 1501.5 1502.2 1503.0 1503.7 1504.5 1505.3	39872.3 41070.2 42279.5 43500.0 44731.6 45974.5 47228.3 48493.2 49768.9 51055.6	6 5 5 3.4 4.0 1.7 6 2
3000.0 3050.0 3100.0 3150.0 3200.0 3250.0 3300.0 3350.0 3400.0	2960.9 3009.8 3058.8 3107.8 3156.7 3254.6 3303.5 3352.4 3401.3	1.625 1.617 1.605 1.594 1.582 1.574 1.566 1.554 1.545	1.405 34.67 1.392 34.67 1.376 34.67 1.360 34.67 1.344 34.67 1.331 34.67 1.318 34.67 1.288 34.67 1.289 34.67	27.753 27.756 27.756 27.760 27.761 27.763 27.765 27.767	41.450 41.672 41.896 42.119 42.343 42.565 42.787 43.010 43.232 43.452	27.736 27.737 27.739 27.741 27.743 27.744 27.746 27.747 27.749 27.750	45.3 45.2 45.1 44.9 44.8 44.8 44.7 44.7	26.598 26.824 27.051 27.276 27.501 27.726 27.950 28.174 28.398 28.621	90.3 90.3 90.3 90.4 90.3 90.3 90.3 90.3	1506.1 1506.9 1507.7 1508.5 1509.3 1510.1 1510.9 1511.8 1512.6 1513.4	52353.1 53661.4 54980.5 56310.3 57650.9 59002.1 60364.1 61736.7 63119.9 64513.8	1 .2 .5 .3 .0 .1 1.0 -1.0
3500.0 3550.0 3600.0 3650.0 3700.0 3750.0 3800.0 3850.0 3900.0	3450.1 3499.0 3547.9 3596.7 3645.6 3694.4 3743.2 3792.0 3840.8 3889.6	1.532 1.525 1.522 1.525 1.520 1.512 1.512 1.506 1.507	1.265 34.68 1.253 34.68 1.242 34.68 1.242 34.68 1.223 34.68 1.220 34.68 1.214 34.68 1.203 34.68 1.195 34.68	27.773 27.774 27.774 27.776 27.778 27.778 27.780 27.781 27.781	43.674 43.895 44.115 44.333 44.553 44.773 44.992 45.211 45.428 45.645	27.752 27.753 27.754 27.753 27.755 27.757 27.757 27.758 27.758 27.758	44.6 44.5 44.8 44.8 44.8 44.7 44.9 44.9	28.844 29.067 29.290 29.514 29.737 29.961 30.184 30.408 30.632 30.857	90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.2	1514.2 1515.1 1515.9 1516.8 1517.6 1518.4 1519.3 1520.1 1521.0 1521.9	65918.2 67333.3 68758.9 70195.1 71642.0 73099.4 74567.4 76046.0 77535.2 79035.1	-1.1 2 -1.0 1.1 .3 .6 8 1.6 1.0
4000.0 4050.0 4100.0 4150.0 4250.0 4250.0 4350.0 4350.0	3938.4 3987.1 4035.9 4084.6 4133.4 4182.1 4230.8 4279.5 4316.5	1.509 1.513 1.517 1.521 1.523 1.525 1.530 1.532 1.532	1.189 34.68 1.188 34.68 1.185 34.68 1.181 34.68 1.177 34.68 1.176 34.69 1.173 34.69 1.169 34.69	27.785	45.863 46.079 46.295 46.510 46.726 46.726 47.157 47.371 47.371	27.760 27.759 27.759 27.759 27.759 27.759 27.759 27.759 27.759	45.0 45.4 45.6 45.8 45.9 46.1 46.3	31.082 31.308 31.535 31.762 31.991 32.220 32.450 32.681 32.856	90.2 90.2 90.2 90.2 90.1 90.2 90.2	1522.7 1523.6 1524.5 1525.4 1526.2 1527.1 1528.0 1528.9 1529.5	80545.6 82066.7 83598.5 85141.1 88258.6 89833.6 91419.5 92632.0	-1.3 -1.2 1.2 8 .1 1.9 .8 2.0

Station	2	Latitude		87'N	-	ude 126°	12.07'W	21	Aug 1989	GMT 1	8:27	Bottom	2850 m
Pres.	Depth	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht g J/kg	LTR 0/0		m ^{TF} /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	.0 19.9 29.9 39.8 59.8 69.8 79.8	18.713 18.710 18.710 18.714 18.685 18.495 16.971 17.046 16.534	18.713 18.708 18.705 18.705 18.707 18.676 18.485 16.960 17.033 16.519	33.357 33.357 33.357 33.357 33.364 33.439 33.619 33.581 33.853 33.844	23.840 23.841 23.841 23.846 23.911 24.096 24.435 24.628 24.740	23.840 23.884 23.928 24.020 24.128 24.357 24.742 24.977 25.135	23.840 23.840 23.840 23.844 23.909 24.433 24.624 24.737	405.3 405.6 405.9 406.2 406.3 383.0 350.9 332.9	.000 .405 .811 1.217 1.624 2.028 2.420 2.789 3.128 3.458	90.0 90.1 90.1 90.1 90.1 89.9 89.8 90.0 90.0	1516.6 1516.7 1516.9 1517.1 1517.3 1517.4 1517.3 1512.9 1512.9 1512.2	2.0 8.1 18.2 32.4 50.6 72.8 98.7 128.2 161.0	.0 2.2 .5 6.9 142.8 161.8 430.0 95.1 157.4
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3	16.188 15.697 13.856 14.813 13.582 12.897 12.205 11.058 10.211 9.874	16.172 15.680 13.839 14.794 13.563 12.877 12.184 11.038 10.190 9.852	33.865 33.808 33.408 33.868 33.690 33.627 33.627 33.636 33.670	24.836 24.904 24.991 25.145 25.266 25.381 25.489 25.671 25.855 25.939	25.275 25.388 25.523 25.718 25.887 26.048 26.202 26.434 26.665 26.795	24.833 24.900 24.987 25.141 25.262 25.377 25.485 25.667 25.851 25.935	313.6 307.4 299.0 284.9 273.4 262.6 252.4 234.9 217.4 209.6	3.776 4.087 4.389 4.683 4.961 5.229 5.486 5.728 5.728 5.728	90.2 90.1 90.2 90.3 90.5 90.6 90.8 90.8	1511.3 1509.9 1503.7 1507.5 1501.3 1499.0 1495.2 1492.3 1491.3	197.1 236.2 278.4 323.6 371.6 422.3 475.6 531.4 589.5 649.7	94.7 104.0 135.3 146.0 110.4 68.7 212.0 248.4 209.6 42.6
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.1 229.0 238.9 248.8 268.7 278.7 288.6	9.675 9.418 9.104 8.889 8.763 8.596 8.385 8.249 8.078 7.963	9.653 9.395 9.080 8.864 8.738 8.570 8.358 8.221 8.050 7.934	33.696 33.722 33.804 33.880 33.903 33.945 33.962 33.974 33.988 34.001	25.992 26.054 26.169 26.263 26.301 26.405 26.405 26.472 26.499	26.895 27.003 27.164 27.304 27.388 27.584 27.584 27.661 27.744 27.817	25.988 26.051 26.165 26.259 26.257 26.356 26.401 26.431 26.468 26.495	204.6 198.8 188.0 179.2 175.8 170.3 166.1 159.9 157.5	6.374 6.575 6.768 6.952 7.129 7.303 7.471 7.636 7.797 7.956	90.9 91.0 90.8 90.9 90.9 90.8 90.8 90.8	1490.8 1490.0 1489.1 1488.6 1488.3 1487.9 1486.3 1486.5 1486.5	712.1 776.5 842.8 911.0 980.9 1052.6 1126.0 1201.1 1277.7 1356.0	77.5 80.3 152.3 103.4 29.0 78.5 52.7 26.3 16.9 53.5
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.3 348.2 358.1 368.0 378.0 387.9	7.838 7.612 7.462 7.221 7.116 6.953 6.862 6.686 6.621	7.808 7.582 7.431 7.190 7.084 6.921 6.829 6.754 6.651 6.586	34.004 34.012 34.019 34.028 34.027 34.032 34.034 34.037 34.042	26.520 26.559 26.586 26.627 26.640 26.664 26.680 26.708 26.720	27.884 27.970 28.043 28.132 28.191 28.261 28.324 28.382 28.444 28.503	26.515 26.555 26.581 26.623 26.636 26.659 26.675 26.703 26.715	155.6 151.9 149.4 145.5 144.4 142.2 140.7 139.8 138.3	8.112 8.266 8.417 8.565 8.710 8.853 8.995 9.134 9.273 9.411	90.8 90.8 90.8 90.7 90.7 90.7 90.7 90.7	1485.9 1485.2 1484.8 1484.8 1483.8 1483.3 1483.1 1483.1 1483.7 1482.7	1435.8 1517.1 1599.9 1684.3 1770.0 1857.2 1945.8 2035.8 2127.1 2219.9	12.5 54.0 24.7 34.3 17.9 13.8 24.6 21.4 8.5
400.0 410.0 420.0 430.0 440.0 450.0 470.0 480.0 490.0	397.8 407.7 417.7 427.6 437.5 447.4 457.4 467.3 477.2 487.1	6.548 6.351 6.196 6.063 5.937 5.784 5.711 5.716 5.645 5.620	6.512 6.315 6.160 6.025 5.899 5.746 5.672 5.676 5.604 5.579	34.049 34.054 34.055 34.070 34.079 34.085 34.102 34.108 34.118	26.736 26.765 26.786 26.805 26.830 26.856 26.871 26.883 26.897 26.908	28.564 28.641 28.709 28.776 28.848 28.921 28.982 29.040 29.100 29.157	26.731 26.760 26.781 26.801 26.826 26.852 26.852 26.866 26.879 26.892 26.903	135.8 133.1 131.0 129.2 126.8 124.4 123.0 122.0 120.8 119.9	9.548 9.682 9.814 9.944 10.072 10.198 10.322 10.444 10.566 10.686	90.7 90.6 90.7 90.6 90.7 90.7 90.6 90.6 90.6	1482.5 1481.9 1481.5 1481.1 1480.8 1480.3 1480.4 1480.3 1480.4	2314.0 2409.4 2506.2 2604.2 2703.5 2804.1 2905.9 3008.9 3113.1 3218.5	39.8 41.5 14.0 8.4 38.8 26.2 12.7 13.6 3.4
500.0 510.0 520.0 530.0 540.0 550.0 570.0 580.0 590.0	497.0 507.0 516.9 526.8 536.7 546.6 556.5 576.4 586.3	5.558 5.527 5.469 5.351 5.290 5.248 5.137 5.135 5.136 5.093	5.517 5.485 5.426 5.307 5.246 5.203 5.092 5.089 5.069	34.130 34.145 34.158 34.157 34.173 34.177 34.181 34.188 34.208 34.219	26.925 26.941 26.958 26.971 26.999 27.015 27.021 27.040 27.051	29.220 29.282 29.346 29.406 29.473 29.527 29.590 29.706 29.706	26.920 26.935 26.953 26.966 26.986 27.010 27.016 27.035 27.046	118.3 116.9 115.3 114.1 112.2 111.5 110.0 109.6 107.9 106.9	10.805 10.923 11.039 11.154 11.267 11.379 11.490 11.599 11.708 11.816	90.7 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1480.3 1480.4 1480.3 1480.0 1479.9 1479.9 1479.6 1479.8 1479.9 1480.0	3325.1 3432.8 3541.7 3651.8 3763.0 3875.2 3988.6 4103.1 4218.6 4335.2	14.5 28.3 17.7 15.3 9.5 19.4 5.4 19.7 11.8
600.0 610.0 620.0 630.0 640.0 650.0 670.0 680.0 690.0	596.2 606.1 616.0 625.9 635.8 645.7 655.6 675.5 685.4	5.055 4.980 4.902 4.895 4.862 4.827 4.810 4.772 4.773 4.698	5.006 4.931 4.853 4.845 4.812 4.775 4.758 4.720 4.689 4.644	34.239 34.246 34.258 34.268 34.281 34.295 34.297 34.300 34.308 34.313	27.071 27.085 27.104 27.113 27.127 27.142 27.145 27.152 27.162 27.171	29.830 29.891 29.957 30.011 30.071 30.132 30.181 30.235 30.291 30.346	27.066 27.080 27.099 27.107 27.121 27.136 27.139 27.146 27.156 27.165	105.1 103.8 102.0 101.3 100.0 98.7 98.5 97.9 97.0 96.2	11.922 12.026 12.129 12.231 12.331 12.431 12.529 12.627 12.725 12.821	90.7 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1480.0 1479.9 1479.7 1479.9 1479.9 1480.0 1480.1 1480.1 1480.1	4452.9 4571.6 4691.3 4812.0 4933.7 5056.4 5180.1 5304.7 5430.3 5556.9	23.5 20.0 8.9 5.7 8.9 7.4 8.0 2.8 14.2 6.3
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5	4.666 4.641 4.606 4.580 4.533 4.490 4.446 4.431 4.385 4.344	4.611 4.585 4.550 4.523 4.475 4.431 4.387 4.372 4.325 4.283	34.322 34.330 34.337 34.341 34.353 34.361 34.369 34.371 34.380 34.386	27.182 27.191 27.200 27.207 27.222 27.233 27.243 27.247 27.259 27.269	30.403 30.458 30.514 30.566 30.628 30.685 30.743 30.792 30.851 30.906	27.176 27.184 27.194 27.200 27.215 27.226 27.237 27.241 27.252 27.262	95.2 94.5 93.6 93.1 91.7 90.7 89.4 88.3 87.5	12.917 13.012 13.106 13.199 13.292 13.383 13.473 13.563 13.651 13.739	90.6 90.6 90.7 90.6 90.6 90.6 90.6 90.6	1480.2 1480.2 1480.3 1480.3 1480.3 1480.3 1480.4 1480.4	5684.4 5812.8 5942.2 6072.4 6203.6 6335.7 6468.7 6602.6 6737.3 6873.0	13.0 10.7 2.5 10.7 15.1 8.0 7.2 15.7 7.8 9.5
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.323 4.300 4.281 4.254 4.222 4.205 4.184 4.162 4.130 4.089	4.261 4.238 4.218 4.191 4.158 4.141 4.119 4.096 4.064 4.021	34.391 34.403 34.407 34.412 34.418 34.422 34.430 34.439 34.442	27.274 27.283 27.288 27.294 27.309 27.314 27.323 27.333 27.340	30.958 31.013 31.065 31.117 31.171 31.224 31.274 31.330 31.386 31.440	27.268 27.276 27.282 27.288 27.295 27.302 27.307 27.316 27.326 27.333	87.0 86.3 85.8 85.3 84.6 84.6 82.8 81.9	13.827 13.913 13.999 14.085 14.170 14.254 14.338 14.421 14.503 14.585	90.5 90.6 90.6 90.6 90.6 90.7 90.5 90.6	1480.5 1480.6 1480.6 1480.7 1480.7 1480.8 1480.9 1481.0 1481.1	7009.4 7146.8 7284.9 7423.9 7563.8 7704.5 7846.0 7988.3 8131.5 8275.4	18.3 8.1 2.8 8.9 16.6 2.8 9.8 13.1 10.1 2.2
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.6 972.5 982.4	4.065 4.047 4.030 4.002 3.984 3.957 3.950 3.927 3.911 3.891	3.997 3.979 3.961 3.932 3.913 3.885 3.878 3.855 3.837 3.817	34.447 34.455 34.455 34.461 34.466 34.471 34.475 34.478	27.346 27.350 27.357 27.362 27.367 27.373 27.378 27.384 27.388 27.389	31.492 31.542 31.595 31.646 31.697 31.750 31.800 31.852 31.902 31.951	27.339 27.343 27.350 27.355 27.359 27.366 27.371 27.376 27.380 27.384	80.7 80.4 79.8 79.4 79.0 78.0 77.6 77.3	14.666 14.747 14.827 14.906 15.064 15.143 15.220 15.298 15.375	90.6 90.6 90.5 90.6 90.6 90.5 90.6 90.5	1481.1 1481.2 1481.3 1481.4 1481.5 1481.7 1481.7 1481.7 1481.8	8420.1 8565.7 8712.0 8859.1 9007.0 9155.6 9305.0 9455.2 9606.2 9757.9	5.5 6.9 1.7 6.1 9.3 2.8 3.4 1.7 4.9

Station	2	Latitude	31 42.87	' N	Longitu	de 126°	12.07'W	21	Aug 1989	GMT 1	8:27	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sa1 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0 1120.0 1140.0 1160.0 1180.0	992.3 1012.0 1031.8 1051.6 1071.4 1110.9 1130.7 1150.4 1170.2	3.860 3.810 3.777 3.690 3.652 3.505 3.547 3.369	3.785 3.735 3.700 3.611 3.573 3.521 3.465 3.465 3.363	34.485 34.490 34.493 34.501 34.505 34.509 34.513 34.517 34.515 34.520	27.408 27.413 27.429 27.436 27.444 27.453 27.460 27.464 27.475	32.005 32.107 32.204 32.313 32.412 32.513 32.615 32.714 32.811 32.915	27.400 27.406 27.421 27.428 27.436 27.445 27.452 27.456 27.467	76.3 75.5 75.1 73.6 73.0 72.2 71.4 70.8 70.4 69.3	15.452 15.604 15.754 15.902 16.049 16.194 16.338 16.480 16.621 16.761	90.55 90.55 90.55 90.55 90.55 90.6	1482.0 1482.1 1482.3 1482.3 1482.4 1482.6 1482.7 1482.8 1482.9 1482.9	9910.3 10217.5 10527.6 10840.6 11156.5 11475.3 11796.9 12121.3 12448.4 12778.3	6.7 2.3 10.2 7.0 5.5 4.1 1.7 5.0
1200.0 1220.0 1240.0 1260.0 1280.0 1300.0 1320.0 1340.0 1360.0	1190.0 1209.7 1229.5 1249.2 1269.0 1288.8 1308.5 1328.3 1348.0 1367.7	3.340 3.312 3.256 3.203 3.139 3.130 3.107 3.081 3.040 2.995	3.224 3.167 3.112 3.047 3.037 3.012 2.985 2.943	34.523 34.526 34.529 34.533 34.532 34.536 34.540 34.542 34.542 34.545	27.481 27.486 27.494 27.502 27.507 27.511 27.517 27.521 27.527 27.534	33.013 33.110 33.211 33.311 33.410 33.505 33.602 33.698 33.797 33.896	27.473 27.478 27.486 27.494 27.503 27.508 27.512 27.518 27.525	68.9 68.5 67.9 66.3 66.1 65.4 64.8	16.899 17.037 17.173 17.308 17.441 17.573 17.705 17.836 17.966 18.096	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1483.1 1483.3 1483.4 1483.5 1483.6 1484.1 1484.4 1484.5 1484.7	13110.9 13446.2 13784.2 14124.8 14468.0 14813.8 15162.2 15513.2 15866.7 16222.7	6 2.1 14.4 2.7 3.6 .1 1.5 4.2 5.4
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.5 1407.2 1427.0 1446.7 1466.4 1486.2 1505.9 1525.6 1545.4 1565.1	2.969 2.908 2.882 2.8870 2.845 2.800 2.791 2.758 2.733 2.693	2.808 2.780 2.767 2.740 2.695 2.684 2.649 2.623	34.552 34.553 34.556 34.557 34.563 34.565 34.565 34.565 34.569 34.572	27.539 27.545 27.550 27.553 27.558 27.563 27.566 27.573 27.578	33.993 34.092 34.189 34.283 34.379 34.477 34.571 34.669 34.766 34.864	27.530 27.536 27.541 27.544 27.554 27.557 27.557 27.563 27.568 27.574	63.7 63.1 62.7 62.5 62.1 61.5 61.3 60.8 60.4 59.8	18.223 18.350 18.476 18.601 18.726 18.849 18.972 19.094 19.215 19.336	90.5 90.6 90.5 90.5 90.5 90.5 90.5 90.5	1484.9 1485.0 1485.2 1485.7 1485.7 1486.1 1486.3 1486.6 1486.7	16581.2 16942.2 17305.7 17671.6 18039.9 18410.7 18783.8 19159.3 19537.2 19917.4	6.0 .1 1.9 1.0 1.9 1.4 .2 3.7
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.5 1624.3 1644.0 1663.7 1683.1 1703.1 1722.8 1742.5 1762.2	2.644 2.622 2.598 2.579 2.530 2.508 2.458 2.440 2.414 2.376	2.508 2.483 2.463 2.413 2.390 2.339 2.319 2.291	34.581 34.582 34.584 34.586 34.589 34.590 34.595 34.597 34.601 34.603	27.592 27.595 27.598 27.602 27.608 27.611 27.619 27.623 27.628 27.633	34.965 35.060 35.155 35.250 35.348 35.443 35.544 35.638 35.736 35.832	27.582 27.585 27.589 27.592 27.598 27.601 27.609 27.613 27.618 27.623	58.9 58.7 58.4 58.1 57.4 57.2 56.0 55.5 55.0	19.454 19.572 19.689 19.805 19.920 20.035 20.148 20.260 20.372 20.482	90.4 90.5 90.5 90.5 90.5 90.4 90.5 90.4	1486.8 1487.1 1487.3 1487.6 1487.7 1488.1 1488.1 1488.3 1488.5 1488.7	20299.9 20684.8 21071.9 21461.2 21852.8 22246.7 22642.7 23040.9 23441.3 23843.9	.5 3.8 3.8 3.8 2.3 4.1 3.6 1.2
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1919.8 1939.5 1959.2	2.328 2.309 2.274 2.257 2.252 2.233 2.210 2.179 2.165 2.138	2.183 2.147 2.128 2.121 2.102 2.076 2.045 2.029	34.607 34.608 34.611 34.613 34.613 34.614 34.616 34.618 34.620 34.620	27.641 27.643 27.648 27.651 27.652 27.654 27.658 27.663 27.665 27.669	35.932 36.026 36.123 36.217 36.308 36.402 36.498 36.593 36.687 36.782	27.630 27.632 27.638 27.641 27.641 27.643 27.648 27.652 27.654 27.658	54.2 54.0 53.5 53.2 53.1 52.7 52.2 52.1 51.7	20.592 20.700 20.808 20.914 21.021 21.127 21.233 21.338 21.442 21.546	90.4 90.5 90.4 90.5 90.4 90.5 90.4 90.4	1488.9 1489.1 1489.3 1489.6 1489.9 1490.1 1490.4 1490.6 1490.8	24248.6 24655.3 25064.2 25475.1 25888.1 26303.2 26720.3 27139.4 27560.6 27983.7	1.8 2.7 5.1 4.2 4.2 4.3
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2300.0 2350.0 2400.0 2450.0	1978.9 2028.1 2077.3 2126.5 2175.6 2224.8 2273.9 2323.1 2372.2 2421.3	2.121 2.069 2.020 1.999 1.971 1.931 1.894 1.888 1.855 1.825	1.927 1.874 1.849 1.817 1.774 1.733 1.723 1.686	34.624 34.631 34.634 34.636 34.638 34.642 34.646 34.646 34.646	27.672 27.682 27.688 27.692 27.696 27.703 27.709 27.710 27.715 27.720	36.876 37.114 37.348 37.577 37.808 38.041 38.273 38.498 38.729 38.960	27.661 27.671 27.677 27.680 27.684 27.691 27.696 27.697 27.702 27.707	51.4 50.5 49.8 49.6 49.3 48.7 48.3 47.8	21.649 21.904 22.155 22.403 22.650 22.895 23.138 23.378 23.618 23.856	90.4 90.5 90.5 90.4 90.5 90.4 90.4 90.4	1491.3 1491.9 1492.6 1493.3 1494.0 1494.7 1495.4 1496.2 1496.9	28408.9 29480.4 30564.1 31659.9 32767.5 33887.0 35018.3 36161.1 37315.4 38481.2	4 6.1 2.9 6 1.5 1.6 7.8
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2780.0	2470.4 2519.5 2568.6 2617.6 2666.7 2715.8 2745.2	1.792 1.778 1.738 1.708 1.691 1.679 1.648	1.597 3 1.553 3 1.519 3 1.498 3 1.482 3	34.655 34.656 34.660 34.662 34.663 34.664	27.725 27.727 27.733 27.737 27.740 27.742 27.746	39.190 39.416 39.648 39.877 40.103 40.328 40.467	27.711 27.714 27.720 27.723 27.726 27.728 27.731	46.9 46.8 46.2 45.7 45.6 45.1	24.091 24.326 24.559 24.789 25.018 25.245 25.381	90.4 90.4 90.4 90.4 90.4 90.4	1498.3 1499.1 1499.8 1500.5 1501.3 1502.1 1502.5	39658.4 40846.8 42046.4 43257.1 44478.8 45711.4 46456.1	1.3 1 1

Station	3	Latitude			-	ide 126°			Aug 1989			Bottom	
Pres.	Depth	Temp.	Pot.T.	Sal 0/00	kg/m ³	Sigma-z kg/m ³	kg/m ³	$10^8 m^3/kg$		LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0	10.0 19.9 29.9 39.9 49.8 59.8 69.8 79.8	18.908 18.771 18.753 18.753 18.790 18.878 18.600 15.893 15.156 15.558	18.908 18.769 18.749 18.747 18.783 18.870 18.590 15.882 15.144 15.545	33.354 33.353 33.352 33.378 33.568 33.667 33.375 33.346 33.620	23.788 23.826 23.827 23.827 23.961 24.107 24.526 24.666 24.789	23.788 23.866 23.913 23.958 24.011 24.178 24.367 24.834 25.019 25.185	23.788 23.822 23.825 23.826 23.836 23.836 24.104 24.523 24.664 24.786	410.2 407.3 407.6 407.6 395.5 382.0 342.1 329.0 317.6	.000 .409 .817 1.224 1.632 2.034 2.423 2.783 3.116 3.440	89.4 89.8 89.8 89.8 89.6 89.7 89.8	1517.1 1516.9 1517.0 1517.2 1517.5 1518.1 1517.6 1509.3 1507.2 1508.9	.0 8.2 18.3 32.6 50.8 73.1 99.0 128.4 161.1	10.1 1.2 75.6 205.5 115.0 298.7 92.7 63.3
100.0 110.0 120.0 130.0 140.0 150.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3	14.899 14.334 13.216 13.493 13.668 13.272 11.965 11.073 10.322 9.745	14.884 14.318 13.200 13.475 13.648 13.251 11.945 11.052 10.301 9.724	33.519 33.507 33.340 33.560 33.751 33.787 33.594 33.609 33.658 33.688	24.856 24.967 25.068 25.183 25.295 25.404 25.508 25.683 25.853 25.974	25.297 25.454 25.601 25.760 25.916 26.070 26.223 26.445 26.664 26.831	24.853 24.964 25.064 25.179 25.292 25.399 25.505 25.679 25.850 25.970	311.5 301.1 291.6 281.0 270.6 260.5 250.4 233.8 217.6 206.2	3.755 4.061 4.358 4.645 5.188 5.444 5.688 5.913 6.124	89.9 89.8 89.8 90.1 90.3 90.4 90.5 90.5	1506.9 1505.2 1501.5 1502.8 1503.8 1502.7 1498.2 1495.2 1492.8 1490.9	196.9 235.8 277.7 322.6 370.2 420.5 473.4 528.8 586.5 646.3	67.5 99.7 136.6 130.0 105.4 110.1 32.2 245.5 102.8 63.4
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.0 229.0 238.9 258.8 268.7 278.7 288.6	9.439 9.173 9.092 8.936 8.826 8.463 8.344 8.192 8.038 7.849	9.417 9.150 9.068 8.912 8.800 8.437 8.165 8.010 7.821	33.736 33.794 33.817 33.847 33.875 33.955 33.966 33.981 33.993 34.006	26.062 26.150 26.182 26.271 26.388 26.414 26.449 26.482 26.520	26.966 27.100 27.177 27.271 27.358 27.522 27.594 27.675 27.753 27.839	26.059 26.147 26.178 26.226 26.267 26.384 26.410 26.445 26.477 26.516	197.9 189.6 186.8 182.4 178.6 167.5 165.2 162.0 159.0	6.326 6.521 6.709 6.893 7.073 7.246 7.412 7.576 7.736 7.893	90.6 90.5 90.5 90.5 90.5 90.5 90.5	1490.0 1489.2 1488.7 1488.5 1487.4 1486.7 1486.3 1485.8	708.2 772.1 837.8 905.4 974.8 1046.0 1118.8 1193.2 1269.3 1346.9	56.0 43.1 52.5 12.6 126.5 799 46.8 87.8 45.6 25.6
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.2 348.2 358.1 368.0 378.0	7.634 7.527 7.313 7.152 7.028 6.851 6.707 6.614 6.451 6.335	7.605 7.497 7.283 7.121 6.996 6.819 6.674 6.581 6.417 6.300	34.009 34.010 34.017 34.022 34.027 34.032 34.038 34.043 34.052 34.063	26.554 26.570 26.606 26.632 26.653 26.681 26.705 26.721 26.750 26.774	27.919 27.982 28.064 28.137 28.205 28.279 28.351 28.413 28.489 28.559	26.550 26.566 26.601 26.628 26.649 26.677 26.701 26.717 26.746 26.770	152.3 150.8 147.5 145.0 143.1 140.5 138.2 136.8 134.1 131.9	8.047 8.198 8.347 8.494 8.638 8.779 8.919 9.919 9.324	90.5 90.4 90.4 90.4 90.4 90.4 90.4 90.4	1485.1 1484.9 1484.2 1483.7 1483.4 1482.9 1482.5 1482.3 1482.3 1481.8	1426.1 1506.7 1588.9 1672.5 1757.6 1844.0 1931.9 2021.1 2111.7 2203.6	24.4 15.0 23.5 27.3 11.1 32.8 42.7 20.1 11.9
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.3 477.2 487.1	6.212 6.134 6.019 5.931 5.776 5.772 5.647 5.647 5.607	6.176 6.099 5.982 5.894 5.820 5.738 5.6684 5.575 5.565	34.067 34.068 34.068 34.074 34.083 34.090 34.100 34.110 34.116 34.129	26.793 26.800 26.819 26.834 26.851 26.867 26.881 26.898 26.907 26.918	28.625 28.679 28.744 28.806 28.869 28.931 28.992 29.055 29.111 29.167	26.789 26.796 26.814 26.830 26.846 26.862 26.876 26.893 26.902 26.913	130.1 129.5 127.7 126.4 124.8 123.4 122.1 120.6 119.8 118.9	9.455 9.585 9.713 9.840 9.966 10.090 10.213 10.334 10.455 10.574	90.4 90.3 90.4 90.3 90.3 90.3 90.3	1481.2 1481.1 1480.8 1480.6 1480.5 1480.3 1480.3 1480.1 1480.2 1480.3	2296.8 2391.2 2487.0 2584.0 2584.3 2781.8 2882.5 2984.4 3087.5 3191.8	11.0 20.1 15.1 20.4 28.3 12.4 15.1 23.6 3.9
500.0 510.0 520.0 530.0 540.0 550.0 570.0 580.0 590.0	497.0 506.9 516.9 526.8 536.7 546.5 556.5 566.4 576.3	5.574 5.493 5.408 5.338 5.284 5.302 5.189 5.148 5.094	5.532 5.451 5.405 5.364 5.239 5.239 5.143 5.101 5.046	34.135 34.151 34.166 34.167 34.164 34.173 34.201 34.205 34.202 34.213	26.927 26.949 26.966 26.972 26.978 26.992 27.012 27.029 27.031 27.046	29.222 29.291 29.355 29.406 29.459 29.519 29.584 29.649 29.697 29.758	26.922 26.944 26.961 26.967 26.986 27.006 27.024 27.026 27.040	118.1 116.1 114.5 114.1 113.5 112.3 110.6 108.9 108.7 107.4	10.692 10.810 10.925 11.039 11.153 11.266 11.377 11.487 11.596 11.703	90.3 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2	1480.4 1480.2 1480.2 1480.2 1480.1 1480.1 1480.3 1480.0 1480.0	3297.3 3403.9 3511.7 3620.6 3730.7 3841.8 3954.1 4067.4 4181.8 4297.3	9.8 32.6 6.9 15.7 10.7 18.5 7.4 4.5 5.7
600.0 610.0 620.0 630.0 640.0 650.0 670.0 680.0 690.0	596.2 606.1 616.0 625.9 635.7 655.6 665.5 675.5	5.084 5.036 5.031 5.007 4.973 4.988 4.949 4.863 4.849	5.036 4.987 4.981 4.957 4.922 4.936 4.896 4.810 4.795 4.776	34.214 34.229 34.243 34.248 34.249 34.259 34.267 34.268 34.284 34.296	27.048 27.066 27.077 27.084 27.089 27.095 27.106 27.117 27.131 27.143	29.806 29.870 29.927 29.981 30.083 30.140 30.198 30.258 30.316	27.043 27.060 27.071 27.079 27.083 27.089 27.100 27.111 27.125 27.137	107.3 105.7 104.7 104.1 103.8 103.3 102.4 101.4 100.1 99.1	11.811 11.917 12.023 12.127 12.231 12.335 12.438 12.539 12.640 12.740	90.2 90.1 90.2 90.2 90.2 90.1 90.2 90.2 90.2	1480.1 1480.3 1480.3 1480.4 1480.6 1480.6 1480.5 1480.7	4413.9 4531.5 4650.1 4769.8 4890.5 5012.2 5135.0 5258.7 5383.5 5509.2	8.6 9.5 11.8 11.9 3.4 4.5 18.3 6.8 8.1
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5 784.4	4.786 4.705 4.663 4.6622 4.569 4.535 4.503 4.447 4.447	4.730 4.649 4.606 4.564 4.511 4.477 4.444 4.416 4.386 4.339	34.312 34.318 34.326 34.335 34.341 34.347 34.355 34.362 34.368 34.377	27.161 27.174 27.185 27.197 27.208 27.216 27.226 27.235 27.243 27.255	30.380 30.441 30.498 30.556 30.614 30.668 30.724 30.729 30.834 30.892	27.154 27.168 27.179 27.191 27.202 27.210 27.219 27.228 27.237 27.249	97.4 96.1 95.1 94.0 93.0 92.3 91.5 90.7 89.9 88.8	12.838 12.935 13.031 13.125 13.219 13.312 13.404 13.495 13.585 13.674	90.2 90.3 90.2 90.3 90.2 90.3 90.2 90.2	1480.7 1480.5 1480.5 1480.5 1480.4 1480.5 1480.6 1480.6 1480.6	5635.9 5763.6 5892.2 6021.8 6152.2 6283.6 6415.9 6549.1 6683.2 6818.1	12.5 7.5 19.8 1.0 16.0 3.7 16.5 9.2 2.5
800.0 810.0 820.0 830.0 840.0 850.0 870.0 870.0 890.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.374 4.324 4.295 4.265 4.233 4.222 4.210 4.166 4.151 4.119	4.313 4.262 4.232 4.202 4.169 4.157 4.144 4.100 4.085 4.051	34.391 34.401 34.406 34.408 34.413 34.420 34.426 34.426 34.434	27.269 27.277 27.286 27.293 27.297 27.303 27.309 27.320 27.327 27.333	30.952 31.007 31.062 31.115 31.166 31.217 31.270 31.326 31.380 31.433	27.262 27.270 27.279 27.286 27.291 27.296 27.302 27.313 27.320 27.326	87.6 86.8 86.1 85.4 85.1 84.6 84.1 82.5 81.9	13.763 13.850 13.936 14.022 14.108 14.192 14.277 14.361 14.443 14.525	90.2 90.2 90.3 90.2 90.3 90.2 90.3 90.3	1480.7 1480.7 1480.8 1480.8 1480.9 1481.0 1481.0 1481.1 1481.2	6954.0 7090.7 7228.2 7366.6 7505.9 7645.9 7786.8 7928.6 8071.1 8214.5	12.5 5.6 13.9 9.0 1.9 3.1 9.6 6.6 7.8
900.0 910.0 920.0 930.0 940.0 950.0 960.0 980.0 990.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.6 972.5 982.3	4.106 4.093 4.057 4.028 4.000 3.986 3.958 3.958 3.910 3.870	4.038 4.024 3.988 3.958 3.929 3.914 3.886 3.861 3.836	34.445 34.456 34.459 34.464 34.465 34.470 34.473 34.478 34.483	27.341 27.348 27.355 27.361 27.367 27.370 27.376 27.382 27.388 27.396	31.486 31.539 31.592 31.644 31.697 31.745 31.745 31.798 31.850 31.902	27.333 27.341 27.348 27.353 27.360 27.362 27.369 27.374 27.381 27.389	81.3 80.7 80.1 79.6 79.0 78.2 77.7 77.2 76.4	14.607 14.688 14.769 14.848 14.927 15.006 15.085 15.163 15.241 15.317	90.2 90.3 90.3 90.3 90.3 90.3 90.3 90.2	1481.3 1481.4 1481.4 1481.5 1481.5 1481.6 1481.7 1481.8 1481.8	8358.6 8503.6 8649.3 87943.1 9091.2 9240.1 9389.7 9540.1 9691.2	14.0 1.4 15.1 6.9 1.4 -1.5 3.1 1.1 9.6 8.4

Station	3	Latitude	31° 44.6	8'N	Longitu	de 126°	14.78'W	21	Aug 1989	GMT :	21:40	Bottom	1515 m
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0		m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0 1120.0 1140.0 1160.0 1180.0	992.2 1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.7 1150.4 1170.2	3.825 3.761 3.7684 3.660 3.650 3.557 3.5574 3.548	3.751 3.685 3.623 3.605 3.580 3.529 3.475 3.461 3.425	34.489 34.493 34.500 34.502 34.504 34.508 34.513 34.513 34.516 34.518	27.405 27.415 27.427 27.430 27.434 27.442 27.451 27.453 27.459 27.462	32.013 32.115 32.220 32.314 32.410 32.511 32.612 32.706 32.803 32.899	27.397 27.407 27.419 27.422 27.426 27.434 27.443 27.445 27.450 27.454	75.6 74.7 73.6 73.5 73.2 72.4 71.6 71.1 70.9	15.393 15.544 15.692 15.839 15.986 16.132 16.276 16.419 16.562 16.704	90.2 90.2 90.3 90.3 90.2 90.2 90.2	1481.9 1482.0 1482.2 1482.5 1482.6 1482.7 1483.0 1483.2	9843.1 10149.0 10457.9 10769.7 11084.4 11401.9 11722.3 12045.5 12371.4 12700.2	3.4 .5 1.1 8.7 3.8 7.6 3.8 11.1 5.0
1200.0 1220.0 1240.0 1260.0 1380.0 1320.0 1340.0 1360.0	1190.0 1209.7 1229.5 1249.2 1269.0 1288.7 1308.5 1328.2 1348.0 1367.7	3.446 3.332 3.294 3.280 3.261 3.220 3.196 3.130 2.954	3.359 3.244 3.204 3.189 3.168 3.126 3.101 3.070 3.033 2.857	34.520 34.528 34.528 34.530 34.532 34.535 34.535 34.535 34.535	27.468 27.485 27.490 27.492 27.496 27.503 27.505 27.508 27.514 27.531	32.997 33.108 33.209 33.299 33.395 33.493 33.587 33.682 33.780 33.895	27.459 27.481 27.484 27.487 27.494 27.496 27.499 27.499 27.505 27.505	70.4 68.6 68.2 67.2 67.2 67.1 666.9 64.3	16.845 16.984 17.121 17.257 17.393 17.529 17.663 17.797 17.930 18.060	90.2 90.2 90.3 90.2 90.2 90.2 90.3 90.2	1483.6 1483.4 1483.6 1483.9 1484.1 1484.3 1484.5	13031.7 13365.9 13702.9 14042.5 14384.7 14729.7 15077.2 15427.3 15780.1 16135.4	10.6 1.8 2.1 2.7 1.2 -1.7
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0	1387.5 1407.2 1427.0 1446.7 1466.4 1486.2 1505.9 1525.6 1545.3	2.949 2.923 2.915 2.885 2.864 2.804 2.790 2.789 2.753	2.850 2.822 2.813 2.782 2.759 2.698 2.683 2.680 2.643	34.542 34.5546 34.555 34.555 34.558 34.566 34.566 34.567 34.570	27.534 27.538 27.545 27.545 27.554 27.566 27.567 27.568 27.574	33.988 34.085 34.182 34.278 34.375 34.479 34.572 34.664 34.762	27.524 27.529 27.535 27.540 27.556 27.556 27.558 27.559 27.565	64.2 63.7 63.3 62.9 62.5 61.4 61.3 61.3	18.189 18.317 18.444 18.570 18.695 18.819 18.941 19.064 19.186	90.2 90.2 90.2 90.2 90.1 90.2 90.2 90.3	1484.8 1485.0 1485.3 1485.5 1485.9 1486.1 1486.5 1486.6	16493.2 16853.6 17216.4 17581.7 17949.4 18319.5 18692.1 19067.0 19444.3	4.5 5.1 6.6 1.3 2.8 7

Station	4	Latitude	31. 49.	15'N	Longit	ude 126°	21.95'W	21	Aug 1989	GMT 23	:59	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m3/s2	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	.0 19.9 29.9 39.9 49.8 59.8 69.8 89.7	18.881 18.874 18.867 18.940 18.520 17.618 16.194 15.142	18.881 18.872 18.864 18.934 18.992 18.512 17.608 16.183 15.475 15.128	33.368 33.369 33.411 33.471 33.387 33.360 33.365 33.421 33.466	23.806 23.809 23.810 23.825 23.856 23.913 24.112 24.449 24.651 24.763	23.806 23.852 23.897 23.956 24.030 24.130 24.375 24.757 25.103 25.159	23.806 23.808 23.809 23.824 23.854 23.910 24.110 24.447 24.649 24.760	408.5 408.6 408.8 407.8 405.2 400.1 381.3 349.4 330.4 320.1	.000 .409 .817 1.226 1.632 2.036 2.430 2.793 3.132 3.456	89.4 89.7 89.7 89.5 89.4 89.4 89.4	1517.1 1517.2 1517.4 1517.8 1518.2 1516.9 1514.4 1510.3 1508.3 1507.4	.0 2.0 8.1 18.3 32.6 50.9 73.1 99.2 128.7 161.5	5.2 2.4 47.9 10.5 56.4 483.4 251.6 173.0 88.4
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3	14.849 14.115 13.147 12.781 12.717 11.736 11.207 10.854 10.033	14.834 14.099 13.131 12.763 12.099 11.717 11.188 11.378 10.833 10.011	33.472 33.427 33.320 33.340 33.337 33.357 33.620 33.620 33.681	24.831 24.952 25.066 25.154 25.251 25.351 25.463 25.731 25.920	25.272 25.439 25.599 25.733 25.876 26.022 26.180 26.394 26.540 26.776	24.827 24.948 25.063 25.150 25.247 25.348 25.459 25.728 25.728 25.917	313.9 302.5 291.7 283.5 274.4 265.0 254.5 238.6 229.3 211.4	3.774 4.081 4.377 4.665 4.943 5.213 5.472 5.472 5.953 6.174	89.7 89.8 89.8 90.0 90.2 90.3 90.4 90.5 90.5	1506.7 1504.4 1501.2 1500.2 1498.9 1495.2 1495.2 1496.4 1494.6 1491.9	197.5 236.7 278.8 323.8 371.6 422.1 475.3 531.0 589.0 649.3	164.2 49.0 58.4 75.1 53.0 122.6 94.7 129.6 130.7 242.4
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.1 229.0 238.9 248.9 258.8 268.7 278.7 288.6	9.728 9.395 9.062 8.793 8.668 8.459 8.352 8.170 8.064 7.900	9.705 9.372 9.038 8.769 8.643 8.434 8.326 8.143 8.035 7.871	33.719 33.776 33.835 33.883 33.908 33.933 33.966 33.990 33.996 34.008	26.001 26.101 26.200 26.280 26.319 26.371 26.414 26.460 26.480 26.514	26.903 27.049 27.195 27.322 27.406 27.505 27.593 27.686 27.752 27.832	25.997 26.097 26.196 26.276 26.315 26.367 26.409 26.456 26.476 26.510	203.8 194.4 185.1 177.5 174.0 165.3 160.9 159.2 156.0	6.380 6.580 6.770 6.951 7.127 7.299 7.466 7.629 7.789	90.5 90.5 90.5 90.5 90.4 90.5 90.4	1491.0 1490.0 1489.0 1488.2 1487.4 1487.4 1487.2 1486.7 1486.4	711.7 776.2 842.5 910.7 980.7 1052.3 1125.7 1200.7 1277.2 1355.4	47.6 121.3 102.0 56.2 61.2 29.5 47.4 35.6 48.8 34.4
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.3 348.2 358.1 368.0 378.0 387.9	7.747 7.643 7.468 7.209 7.155 7.032 6.934 6.777 6.663 6.592	7.717 7.613 7.437 7.178 7.123 7.000 6.901 6.743 6.628 6.557	34.011 34.017 34.019 34.024 34.026 34.031 34.037 34.042 34.054	26.539 26.554 26.583 26.621 26.633 26.669 26.695 26.715 26.733	27.903 27.965 28.041 28.126 28.184 28.313 28.336 28.451 28.516	26.534 26.550 26.579 26.617 26.629 26.647 26.665 26.691 26.710 26.729	153.8 152.4 149.7 146.1 145.1 143.4 139.4 137.6 135.9	8.101 8.255 8.406 8.553 8.699 8.843 8.986 9.126 9.265 9.402	90.4 90.3 90.4 90.3 90.3 90.4 90.2 90.3	1485.5 1484.8 1484.0 1483.6 1483.4 1482.9 1482.7 1482.5	1435.1 1516.3 1599.0 1683.2 1768.9 1856.0 1944.5 2034.4 2125.7 2218.3	21.2 27.1 38.2 8.0 20.6 17.9 10.9 12.6 23.4 25.2
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.7 427.6 437.5 447.4 457.4 467.3 477.2 487.1	6.396 6.239 6.096 5.979 5.841 5.786 5.710 5.577	6.360 6.203 6.060 5.942 5.889 5.802 5.747 5.670 5.616 5.533	34.056 34.062 34.065 34.072 34.076 34.094 34.108 34.111 34.118 34.121	26.761 26.786 26.806 26.827 26.837 26.862 26.879 26.892 26.904 26.916	28.591 28.663 28.731 28.799 28.854 28.990 28.990 29.107 29.165	26.757 26.781 26.802 26.823 26.832 26.857 26.875 26.875 26.899 26.911	133.3 131.0 129.0 127.0 126.2 123.9 122.3 121.2 120.2 119.1	9.536 9.668 9.798 9.926 10.052 10.177 10.300 10.422 10.543 10.663	90.3 90.3 90.2 90.2 90.3 90.3 90.3	1481.9 1481.5 1481.1 1480.8 1480.7 1480.6 1480.5 1480.4 1480.4	2312.3 2407.6 2504.2 2602.1 2701.2 2801.5 2903.1 3005.9 3109.9 3215.1	30.4 17.2 18.0 27.7 10.7 27.1 12.4 18.9 7.8
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.9 526.8 536.7 546.6 556.4 576.3 586.3	5.570 5.494 5.392 5.305 5.270 5.257 5.218 5.134	5.528 5.451 5.350 5.262 5.278 5.225 5.211 5.172 5.147 5.086	34.136 34.150 34.160 34.172 34.183 34.199 34.201 34.214 34.219 34.232	26.928 26.949 26.969 26.988 26.995 27.014 27.032 27.039 27.057	29.223 29.290 29.358 29.424 29.476 29.542 29.591 29.652 29.705 29.768	26.923 26.944 26.964 26.983 26.990 27.009 27.012 27.027 27.034 27.051	118.0 116.1 114.2 112.4 111.9 110.2 109.9 108.7 108.1 106.5	10.781 10.898 11.013 11.127 11.239 11.350 11.460 11.569 11.678	90.2 90.2 90.2 90.3 90.3 90.3 90.2 90.2	1480.4 1480.2 1480.0 1479.8 1480.1 1480.1 1480.2 1480.2 1480.2	3321.4 3428.9 3537.6 3647.4 3758.3 3870.3 3983.3 4097.5 4212.7 4329.0	21.2 9.5 27.6 12.1 12.1 20.0 8.6 8.9 11.0
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0 690.0	596.2 606.1 616.0 625.9 635.8 645.7 665.6 675.5 685.4	5.124 5.076 5.004 5.011 4.992 4.941 4.904 4.850 4.768 4.724	5.075 5.027 4.954 4.960 4.941 4.889 4.851 4.796 4.714 4.670	34.241 34.251 34.261 34.273 34.281 34.297 34.303 34.304 34.310 34.317	27.065 27.078 27.095 27.103 27.112 27.131 27.140 27.146 27.161 27.171	29.823 29.882 29.946 30.000 30.054 30.120 30.175 30.228 30.289 30.346	27.059 27.073 27.089 27.097 27.106 27.125 27.134 27.141 27.155 27.165	105.8 104.6 103.0 102.4 101.6 99.9 99.1 98.5 97.2 96.2	11.891 11.997 12.101 12.203 12.305 12.406 12.505 12.604 12.702 12.799	90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2	1480.3 1480.2 1480.4 1480.5 1480.5 1480.5 1480.4 1480.2 1480.2	4446.4 4564.8 4684.2 4804.7 4926.1 5048.5 5172.0 5296.4 5421.8 5548.1	10.4 23.6 16.2 .1 7.2 31.8 .4 3.9 4.8 3.9
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.7 764.6 774.5 784.4	4.698 4.667 4.638 4.592 4.575 4.552 4.502 4.474 4.440 4.402	4.643 4.611 4.581 4.535 4.517 4.494 4.443 4.415 4.379 4.341	34.334 34.342 34.351 34.354 34.358 34.367 34.374 34.381 34.384	27.184 27.191 27.201 27.213 27.218 27.223 27.236 27.244 27.253 27.260	30.405 30.458 30.514 30.573 30.623 30.675 30.735 30.788 30.844 30.897	27.178 27.185 27.195 27.207 27.211 27.217 27.217 27.230 27.238 27.247 27.254	95.0 94.5 93.6 92.5 92.2 91.7 90.5 89.8 89.0 88.3	12.894 12.989 13.083 13.176 13.268 13.360 13.451 13.542 13.631 13.720	90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2	1480.4 1480.4 1480.4 1480.5 1480.6 1480.6 1480.6 1480.6	5675.4 5803.6 5932.7 6062.8 6193.7 6325.6 6458.4 6592.0 6726.6 6862.0	13.0 6.0 8.3 7.8 1.0 13.9 15.1 3.4 6.3
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.367 4.413 4.399 4.358 4.334 4.309 4.297 4.237 4.184 4.144	4.306 4.351 4.335 4.294 4.269 4.244 4.231 4.171 4.117 4.076	34.394 34.412 34.418 34.420 34.422 34.424 34.431 34.434 34.439	27.272 27.282 27.283 27.293 27.296 27.300 27.304 27.316 27.324 27.332	30.955 31.010 31.057 31.113 31.163 31.213 31.262 31.321 31.376 31.430	27.265 27.275 27.277 27.286 27.289 27.294 27.297 27.309 27.316 27.325	87.3 86.6 86.5 85.6 85.4 85.0 84.8 83.7 82.9	13.808 13.895 13.981 14.067 14.153 14.238 14.323 14.407 14.490 14.573	90.2 90.2 90.2 90.2 90.2 90.1 90.2 90.2 90.2	1480.7 1481.0 1481.2 1481.2 1481.3 1481.3 1481.3 1481.3	6998.3 7135.4 7273.4 7412.2 7551.9 7692.4 7833.8 7976.0 8119.0 8262.8	7.8 8.1 5.8 6.0 7.5 17.5 17.8 11.9 2.8
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0 990.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.6 972.5 982.3	4.110 4.086 4.066 4.034 4.005 4.004 3.970 3.933 3.920 3.893	4.042 4.017 3.997 3.964 3.935 3.933 3.898 3.861 3.846 3.819	34.449 34.449 34.451 34.453 34.460 34.466 34.472 34.475	27.340 27.346 27.348 27.358 27.364 27.369 27.369 27.381 27.387	31.485 31.537 31.585 31.637 31.688 31.739 31.791 31.844 31.896 31.947	27.333 27.339 27.341 27.346 27.351 27.356 27.362 27.369 27.374 27.379	81.4 80.9 80.7 80.2 79.9 79.4 78.3 77.8 77.3	14.654 14.735 14.816 14.897 15.056 15.135 15.214 15.292 15.370	90.2 90.1 90.2 90.2 90.2 90.2 90.2 90.2 90.2	1481.3 1481.4 1481.5 1481.5 1481.7 1481.7 1481.7 1481.7 1481.9	8407.4 8552.8 8699.0 8846.0 8993.8 9142.4 9291.7 9441.9 9592.7 9744.4	9.3 3.7 4.6 6.6 1.7 8.1 4.0 3.4 6.1

Station	4	Latitude	31. 49.	15'N	Longit	ude 126°	21.95'W	21	Aug 1989	GMT 2	3:59	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0 1180.0	992.2 1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.7 1150.4 1170.2	3.870 3.845 3.799 3.744 3.707 3.678 3.548 3.548 3.509	3.795 3.768 3.722 3.666 3.627 3.596 3.534 3.465 3.424 3.390	34.477 34.489 34.499 34.499 34.502 34.504 34.509 34.514 34.517	27.391 27.397 27.408 27.419 27.426 27.431 27.439 27.449 27.457 27.463	31.997 32.096 32.199 32.302 32.401 32.498 32.599 32.702 32.802 32.900	27.383 27.389 27.401 27.412 27.418 27.423 27.431 27.441 27.449 27.455	77.0 76.5 75.6 74.6 74.1 73.7 72.9 71.9 71.2 70.8	15.447 15.601 15.753 15.903 16.052 16.200 16.346 16.492 16.635 16.777	90.2 90.1 90.1 90.2 90.2 90.1 90.2 90.1	1482.0 1482.2 1482.4 1482.5 1482.7 1482.9 1483.0 1483.2 1483.4	9896.8 10203.9 10514.0 10827.0 11142.9 11461.8 11783.5 12108.1 12435.5 12765.7	5.2 8.7 1.4 4.7 2.9 4.4 5.0 10.8 3.5 5.9
1200.0 1220.0 1240.0 1260.0 1380.0 1320.0 1340.0 1360.0 1380.0	1190.0 1209.7 1229.5 1249.2 1269.0 1288.7 1308.5 1328.2 1348.0 1367.7	3.451 3.386 3.347 3.284 3.242 3.201 3.171 3.129 3.092 3.055	3.363 3.297 3.257 3.193 3.150 3.107 3.076 3.033 2.995 2.957	34.521 34.525 34.528 34.538 34.538 34.542 34.545 34.545 34.545 34.555	27.469 27.478 27.485 27.502 27.509 27.514 27.521 27.527 27.532	32.997 33.100 33.198 33.302 33.401 33.500 33.597 33.697 33.795 33.891	27.460 27.470 27.476 27.487 27.493 27.501 27.506 27.513 27.518 27.523	70.4 69.4 68.8 67.8 67.2 66.6 65.5 65.0	16.918 17.057 17.195 17.332 17.467 17.601 17.733 17.865 17.996 18.125	90.1 90.1 90.2 90.1 90.1 90.1 90.2 90.1 90.1	1483.6 1483.8 1483.9 1484.0 1484.2 1484.4 1484.6 1484.7 1484.9	13098.6 13434.3 13772.7 14113.8 14457.5 14803.9 15152.8 15504.3 15858.4 16215.0	10.6 2.7 .6 3.0 2.4 -1.1 5 8.9 4.2
1400.0 1420.0 1440.0 1460.0 1480.0 1520.0 1540.0 1560.0 1580.0	1387.5 1407.2 1426.9 1446.7 1466.4 1505.9 1525.6 1545.3 1565.1	2.966 2.928 2.871 2.855 2.821 2.783 2.733 2.711 2.681 2.650	2.866 2.827 2.769 2.752 2.717 2.677 2.626 2.603 2.572 2.539	34.556 34.557 34.559 34.565 34.568 34.572 34.573 34.577 34.580 34.584	27.543 27.547 27.554 27.560 27.566 27.578 27.578 27.583 27.588 27.594	33.997 34.093 34.192 34.290 34.388 34.585 34.682 34.779 34.876	27.534 27.538 27.545 27.551 27.556 27.563 27.568 27.574 27.579 27.584	63.3 63.0 62.3 61.8 61.3 60.1 59.6 59.6	18.253 18.379 18.505 18.629 18.752 18.874 18.994 19.114 19.233 19.350	90.1 90.2 90.1 90.2 90.2 90.1 90.1 90.1 90.1	1484.9 1485.0 1485.1 1485.6 1485.8 1485.9 1486.1 1486.3 1486.5	16574.1 16935.7 17299.7 17666.1 18035.0 18406.2 18779.8 19155.7 19534.0 19914.5	2.2 2.8 4.0 4.3 5.8 1.4 5.5
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.5 1624.2 1643.9 1663.7 1683.4 1703.1 1722.8 1742.5 1762.2	2.635 2.601 2.579 2.555 2.5539 2.514 2.491 2.464 2.415	2.523 2.487 2.464 2.438 2.422 2.395 2.371 2.342 2.323 2.291	34.586 34.589 34.591 34.592 34.597 34.597 34.599 34.601 34.603	27.597 27.602 27.6006 27.609 27.612 27.616 27.623 27.623 27.626 27.630	34.970 35.067 35.163 35.258 35.352 35.447 35.542 35.637 35.731 35.827	27.587 27.592 27.596 27.599 27.602 27.609 27.612 27.615 27.619	58.5 58.6 57.3 57.1 56.5 56.2 55.9 55.5	19.468 19.584 19.699 19.814 19.929 20.043 20.156 20.269 20.381 20.492	90.1 90.1 90.0 90.1 90.1 90.1 90.1 90.1	1486.8 1487.0 1487.2 1487.5 1487.7 1488.0 1488.2 1488.4 1488.7 1488.9	20297.3 20682.4 21069.7 21459.3 21851.0 22245.0 22641.2 23039.6 23440.2 23842.9	2.3 2.0 3.2 .6 2.9 2.3 1.8 -2.0
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1919.8 1939.5 1959.2	2.387 2.353 2.340 2.316 2.282 2.263 2.241 2.217 2.186 2.172	2.262 2.227 2.212 2.186 2.151 2.131 2.107 2.082 2.050 2.034	34.605 34.608 34.608 34.610 34.612 34.614 34.616 34.619 34.620	27.634 27.639 27.640 27.644 27.650 27.654 27.658 27.662 27.664	35.923 36.020 36.112 36.207 36.302 36.397 36.491 36.586 36.683 36.776	27.623 27.628 27.630 27.633 27.636 27.639 27.643 27.647 27.651 27.653	55.1 54.6 54.5 54.2 53.8 53.3 52.9 52.4 52.2	20.603 20.713 20.822 20.931 21.038 21.146 21.253 21.359 21.464 21.569	90.1 90.1 90.1 90.0 90.1 90.0 90.1 90.0	1489.1 1489.3 1489.6 1489.8 1490.0 1490.2 1490.5 1490.7 1490.9	24247.8 24654.8 25063.9 25475.2 25888.5 26303.9 26721.4 27140.9 27562.5 27986.1	.7 .1 3.0 1.6 1.3 2.8 2.5 4.9 2.5
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2350.0 2400.0 2450.0	1978.9 2028.1 2077.3 2126.4 2175.6 2224.8 2273.9 2323.1 2372.2 2421.3	2.161 2.116 2.081 2.032 2.001 1.967 1.925 1.912 1.874 1.844	2.021 1.973 1.934 1.882 1.847 1.809 1.764 1.747 1.705	34.621 34.625 34.629 34.633 34.637 34.640 34.644 34.646 34.649	27.666 27.674 27.679 27.687 27.698 27.705 27.708 27.713 27.718	36.868 37.103 37.336 37.571 37.802 38.034 38.268 38.495 38.726 38.957	27.655 27.662 27.668 27.676 27.681 27.686 27.693 27.695 27.700 27.705	52.1 51.4 51.0 50.2 49.8 49.3 48.7 48.6 48.1	21.673 21.931 22.187 22.441 22.690 22.938 23.183 23.426 23.667 23.906	90.0 90.0 90.1 90.0 90.0 90.1 90.0 90.2 90.0 90.1	1491.5 1492.1 1492.8 1493.5 1494.9 1495.5 1496.3 1497.0 1497.7	28411.7 29484.5 30569.7 31667.1 32776.7 33898.2 35031.6 36176.6 37333.4 38501.6	3.7 3 2.9 1.2 4.8 1.6 7 3.1
2500.0 2550.0 2650.0 2650.0 2750.0 2750.0 2850.0 2850.0 2950.0	2470.4 2519.5 2568.6 2617.6 2666.7 2715.7 2764.8 2813.8 2813.8 2911.8	1.822 1.793 1.771 1.748 1.735 1.720 1.700 1.673 1.655 1.636	1.645 1.612 1.586 1.559 1.541 1.522 1.498 1.466 1.444 1.421	34.653 34.656 34.658 34.660 34.661 34.662 34.664 34.667 34.668 34.669	27.721 27.726 27.729 27.733 27.735 27.737 27.741 27.745 27.747 27.751	39.184 39.414 39.641 39.869 40.095 40.320 40.547 40.775 41.000 41.226	27.708 27.712 27.715 27.719 27.721 27.723 27.726 27.730 27.732 27.735	46.3 46.1 45.7 45.5 45.3	24.144 24.380 24.615 25.081 25.313 25.543 25.772 26.001 26.228 26.454	90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0	1498.5 1499.2 1499.9 1500.7 1501.5 1502.3 1503.0 1503.8 1504.5 1505.3	39681.3 40872.4 42074.7 43288.2 44512.9 45748.7 46995.5 48253.4 49522.1 50801.7	.3 5 1.6 .1 1 2.3 9 3
3026.0	2986.3	1.618	1.396	34.671	27.754	41.567	27.738	45.1	26.571	90.0	1506.5	52767.4	.0

Station	5	Latitude	31° 56.	16'N	Longitu	ide 126°	36.07'W	22	Aug 1989				4260 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	kg/m ³	Sigma-z kg/m ³	kg/m ³	$10^8 \text{m}^3/\text{kg}$	-	LTR 0/0	m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.8 59.8 69.8 79.7	19.013 18.989 18.836 18.829 18.850 18.719 17.496 15.338 15.148 14.604	19.013 18.987 18.833 18.824 18.843 18.711 17.486 15.327 15.136 14.591	33.369 33.381 33.381 33.452 33.487 33.492 33.395 33.480 33.485	23.773 23.788 23.828 23.830 23.879 23.939 24.243 24.243 24.771 24.893	23.773 23.831 23.914 23.960 24.053 24.156 24.505 24.972 25.124 25.291	23.773 23.788 23.829 23.829 23.877 24.241 24.662 24.769 24.890	411.7 410.6 407.2 407.3 403.0 397.7 368.9 328.9 319.0 307.6	.000 .411 .819 1.226 1.632 2.033 2.420 2.763 3.087 3.400	88.9 89.6 89.4 89.5 89.4 89.4 89.4 89.6	1517.5 1517.6 1517.3 1517.4 1517.7 1517.6 1514.2 1507.6 1507.3 1505.7	2.1 8.2 18.4 32.6 50.9 73.1 99.0 128.1 160.4	.0 86.9 2.8 4.4 19.8 139.0 587.4 183.2 86.3 72.5
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3	14.084 13.266 12.557 12.268 11.763 11.224 10.868 10.591 10.084 9.751	14.070 13.251 12.541 12.251 11.745 11.205 10.849 10.571 10.064 9.730	33.426 33.337 33.426 33.422 33.385 33.420 33.531 33.628 33.719	24.957 25.051 25.195 25.320 25.412 25.482 25.707 25.870 25.997	25.399 25.540 25.730 25.899 26.038 26.154 26.291 26.681 26.855	24.954 25.048 25.192 25.316 25.409 25.478 25.569 25.704 25.867 25.994	301.8 292.9 279.3 267.7 259.0 252.5 244.0 231.3 215.9 203.9	3.705 4.003 4.289 4.562 4.825 5.081 5.329 5.567 5.790 6.000	89.7 89.5 89.9 90.1 90.2 90.3 90.4 90.4	1504.1 1501.5 1499.2 1498.5 1496.9 1495.2 1494.1 1493.4 1491.9 1490.9	195.8 234.2 275.4 319.5 366.2 415.5 467.3 521.5 578.0 636.6	44.6 117.0 150.0 75.0 35.9 104.7 17.3 181.3 120.6
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 258.8 258.8 268.7 278.6 288.6	9.354 9.006 8.856 8.708 8.465 8.368 8.126 7.951 7.795 7.639	9.332 8.984 8.832 8.683 8.440 8.342 8.100 7.924 7.767 7.611	33.765 33.822 33.887 33.941 33.959 33.962 33.978 33.988 33.995 34.005	26.098 26.199 26.273 26.339 26.390 26.407 26.457 26.451 26.519 26.549	27.002 27.149 27.270 27.381 27.479 27.542 27.638 27.718 27.792 27.870	26.095 26.195 26.270 26.335 26.387 26.404 26.453 26.487 26.515 26.545	194.4 185.0 178.0 172.0 167.1 165.7 161.0 157.9 155.3 152.5	6.198 6.388 6.568 6.744 6.913 7.079 7.242 7.401 7.558 7.712	90.4 90.4 90.5 90.4 90.4 90.4 90.4 90.3	1489.7 1488.6 1488.3 1488.0 1487.2 1487.0 1486.3 1485.8 1485.4 1485.0	697.2 759.8 824.2 890.3 958.2 1027.7 1098.8 1171.6 1245.9 1321.7	100.5 107.8 51.3 66.2 19.3 44.2 38.3 3.1 41.1 20.3
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.1 358.1 368.0 377.9 387.9	7.411 7.289 7.196 7.104 6.990 6.781 6.714 6.565 6.414 6.273	7.383 7.260 7.166 7.073 6.958 6.749 6.681 6.531 6.380 6.239	34.006 34.007 34.011 34.018 34.030 34.028 34.042 34.053 34.056 34.056	26.582 26.601 26.617 26.635 26.661 26.687 26.708 26.736 26.758 26.777	27.949 28.014 28.077 28.141 28.212 28.286 28.353 28.428 28.497 28.562	26.578 26.597 26.613 26.631 26.656 26.683 26.703 26.731 26.754 26.772	149.4 147.7 146.3 144.7 142.4 139.8 135.4 133.3 131.6	7.863 8.011 8.158 8.304 8.447 8.587 8.726 8.863 8.997 9.130	90.3 90.4 90.2 90.3 90.2 90.3 90.2 90.2	1484.2 1483.9 1483.7 1483.5 1482.6 1482.5 1482.1 1481.7 1481.7	1399.0 1477.9 1558.2 1639.9 1723.0 1807.6 1893.6 1980.9 2069.5 2159.5	52.8 8.8 15.9 29.6 43.1 144.6 33.1 34.5 25.1 18.6
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.6 427.5 437.5 447.4 457.3 467.2 477.1 487.1	6.153 6.056 5.989 5.907 5.876 5.805 5.767 5.574 5.537 5.469	6.118 6.021 5.953 5.870 5.838 5.767 5.728 5.535 5.497 5.428	34.069 34.071 34.076 34.083 34.087 34.105 34.109 34.110 34.118	26.802 26.816 26.829 26.852 26.852 26.863 26.880 26.906 26.911 26.926	28.635 28.695 28.754 28.817 28.870 28.928 28.990 29.065 29.116 29.177	26.798 26.811 26.824 26.840 26.847 26.858 26.875 26.902 26.907 26.921	129.2 127.9 126.8 125.3 124.8 123.7 122.3 119.7 119.3 118.0	9.260 9.389 9.516 9.642 9.767 9.891 10.014 10.135 10.255	90.1 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2	1481.0 1480.8 1480.7 1480.5 1480.5 1480.5 1479.8 1479.8 1479.8	2250.7 2343.3 2437.1 2532.1 2628.4 2725.9 2824.7 2924.6 3025.8 3128.1	18.9 6.9 30.6 6.3 1.0 17.4 28.3 10.4 7.7 19.4
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.8 526.7 536.7 546.5 566.4 576.3 586.2	5.377 5.367 5.348 5.295 5.260 5.208 5.193 5.123 5.069 5.014	5.336 5.325 5.305 5.252 5.216 5.148 5.077 5.022 4.967	34.134 34.141 34.159 34.167 34.189 34.205 34.209 34.222 34.231 34.241	26.950 26.957 26.973 26.986 27.007 27.026 27.031 27.050 27.063 27.078	29.247 29.300 29.362 29.422 29.489 29.554 29.606 29.670 29.730 29.791	26.945 26.952 26.968 26.981 27.002 27.021 27.027 27.044 27.058 27.072	115.8 115.2 113.8 112.6 110.7 109.0 108.5 106.9 105.6 104.3	10.490 10.606 10.720 10.833 10.945 11.055 11.164 11.271 11.377	90.1 90.2 90.2 90.2 90.1 90.1 90.2 90.2 90.2	1479.6 1479.7 1479.8 1479.8 1479.8 1479.8 1479.8 1479.9 1479.8	3231.5 3336.2 3441.9 3548.8 3656.8 3765.8 3876.0 3987.2 4099.4 4212.8	19.4 17.7 23.2 8.9 21.2 17.7 22.4 9.8 10.3
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0 690.0	596.1 606.1 616.0 625.9 635.8 645.7 655.6 675.4 685.3	4.967 4.925 4.893 4.878 4.825 4.800 4.766 4.743 4.718 4.695	4.919 4.876 4.844 4.828 4.774 4.714 4.691 4.664 4.641	34.249 34.260 34.276 34.286 34.296 34.304 34.311 34.325 34.333 34.340	27.089 27.102 27.119 27.129 27.143 27.152 27.162 27.175 27.185 27.192	29.850 29.909 29.971 30.028 30.087 30.143 30.199 30.258 30.314 30.367	27.084 27.097 27.113 27.124 27.137 27.146 27.156 27.169 27.179 27.186	103.3 102.1 100.6 99.7 98.5 97.7 96.8 95.7 94.9	11.586 11.689 11.791 11.891 11.990 12.088 12.185 12.282 12.377 12.472	90.2 90.2 90.2 90.1 90.1 90.1 90.2 90.2	1479.7 1479.7 1479.8 1479.8 1479.9 1479.9 1480.0 1480.1	4327.1 4442.4 4558.8 4676.2 4794.5 4913.8 5034.1 5155.3 5277.4 5400.5	15.6 9.8 10.4 14.8 17.4 4.2 13.3 12.1 14.8
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.2 705.1 715.0 725.0 734.9 744.8 754.7 764.6 774.5 784.4	4.691 4.648 4.680 4.597 4.566 4.513 4.481 4.462 4.441 4.405	4.636 4.593 4.623 4.540 4.508 4.455 4.422 4.380 4.345	34.346 34.359 34.359 34.368 34.367 34.367 34.380 34.380	27.198 27.203 27.210 27.219 27.230 27.235 27.245 27.250 27.256 27.261	30.419 30.470 30.522 30.579 30.635 30.687 30.743 30.795 30.847 30.898	27.192 27.197 27.203 27.213 27.223 27.228 27.238 27.244 27.250 27.255	93.8 93.3 92.9 91.9 91.0 90.5 89.7 89.2 88.7 88.2	12.566 12.659 12.752 12.844 12.936 13.027 13.117 13.206 13.295 13.384	90.2 90.1 90.1 90.1 90.1 90.2 90.2 90.2	1480.3 1480.6 1480.4 1480.5 1480.4 1480.5 1480.6 1480.6	5524.5 5649.5 5775.3 5902.1 6029.8 6158.4 6287.8 6418.2 6549.4 6681.5	4.8 3.1 2.2 7.8 8.9 5.7 4.5 3.1
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.383 4.357 4.354 4.311 4.279 4.232 4.204 4.186 4.155 4.114	4.321 4.295 4.291 4.248 4.214 4.167 4.139 4.120 4.089 4.047	34.390 34.396 34.408 34.412 34.412 34.424 34.427 34.427 34.431 34.439	27.267 27.275 27.285 27.290 27.296 27.307 27.313 27.318 27.324 27.335	30.950 31.004 31.060 31.112 31.164 31.221 31.274 31.324 31.377 31.434	27.260 27.268 27.278 27.284 27.290 27.300 27.306 27.311 27.317 27.328	87.8 87.1 86.3 85.8 85.2 84.3 83.7 83.3 82.8 81.8	13.472 13.559 13.646 13.732 13.817 13.902 13.986 14.070 14.153 14.235	90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1	1480.7 1480.8 1481.0 1480.9 1481.0 1481.0 1481.1 1481.1	6814.4 6948.2 7082.9 7218.4 7354.8 7492.0 7630.0 7768.8 7908.5 8049.0	12.5 5.7 9.0 4.3 5.2 3.1 4.9 4.0 14.5 6.9
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.0 923.0 932.8 952.6 962.5 972.4 982.3	4.086 4.064 4.040 4.002 3.975 3.964 3.956 3.930 3.905 3.880	4.018 3.996 3.970 3.932 3.904 3.884 3.857 3.831 3.806	34.444 34.449 34.455 34.461 34.463 34.469 34.472 34.476 34.479	27.342 27.348 27.356 27.365 27.369 27.373 27.375 27.381 27.386 27.392	31.488 31.540 31.594 31.649 31.699 31.749 31.798 31.849 31.901 31.952	27.335 27.341 27.349 27.357 27.361 27.366 27.368 27.373 27.379 27.384	81.1 80.6 80.0 79.1 78.8 78.4 78.3 77.9 77.4 76.9	14.317 14.397 14.478 14.557 14.636 14.715 14.793 14.871 14.948 15.026	90.1 90.2 90.1 90.2 90.1 90.2 90.2 90.1	1481.2 1481.3 1481.4 1481.4 1481.5 1481.7 1481.7 1481.8 1481.9	8190.3 8332.3 8475.2 8618.8 8763.2 8908.4 9054.4 9054.4 9201.1 9348.6 9496.8	10.4 13.4 8.7 7.8 6.6 3.4 11.6 4.9 2.0

Station	5	Latitude	31° 56.	16'N	-	ude 126°			2 Aug 1989	GMT 0	3:39		
Pres.	Depth m	Temp.	Pot.T.	Sa l 0/00	Sigma-θ kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht g J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0 1120.0 1140.0 1160.0	992.2 1012.0 1031.8 1051.5 1071.3 1091.1 1110.8 1130.6 1150.4 1170.2	3.850 3.816 3.784 3.734 3.706 3.666 3.577 3.508 3.492	3.776 3.740 3.707 3.655 3.626 3.584 3.525 3.493 3.423 3.405	34.484 34.488 34.491 34.497 34.500 34.510 34.512 34.518 34.518	27.399 27.405 27.411 27.421 27.427 27.445 27.449 27.460 27.463	32.006 32.104 32.202 32.304 32.402 32.501 32.604 32.701 32.805 32.899	27.391 27.398 27.403 27.413 27.419 27.426 27.436 27.441 27.452 27.454	76.2 75.7 75.3 74.4 74.0 73.4 72.4 72.0 71.0 70.9	15.102 15.254 15.255 15.555 15.703 15.851 15.996 16.141 16.283 16.425	90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1	1481.9 1482.1 1482.3 1482.4 1482.7 1482.8 1482.9 1483.1 1483.2 1483.4	9645.8 9946.1 10249.3 10555.4 10864.5 11176.4 11491.2 11808.9 12129.3 12452.6	9.9 7.6 2.6 2.5 9.4 1.2 9.1
1200.0 1220.0 1240.0 1260.0 1280.0 1300.0 1320.0 1340.0 1360.0	1189.9 1209.7 1229.4 1249.2 1268.9 1288.7 1308.4 1328.2 1347.9 1367.7	3.405 3.373 3.303 3.267 3.227 3.165 3.133 3.083 3.049 3.007	3.318 3.284 3.213 3.176 3.135 3.072 3.039 2.987 2.953 2.908	34.526 34.528 34.534 34.536 34.540 34.545 34.557 34.553 34.553	27.477 27.481 27.493 27.506 27.515 27.520 27.527 27.532 27.540	33.007 33.104 33.208 33.306 33.405 33.508 33.604 33.704 33.801 33.902	27.469 27.473 27.485 27.490 27.507 27.511 27.518 27.523 27.531	69.4 69.1 67.9 67.4 66.8 65.5 64.4 63.6	16.565 16.704 16.841 16.977 17.111 17.243 17.375 17.505 17.634 17.762	90.1 90.0 90.1 90.0 90.0 90.0 90.1 90.1	1483.4 1483.6 1483.6 1483.8 1484.0 1484.1 1484.3 1484.4 1484.6 1484.7	12778.6 13107.3 13438.7 13772.7 14109.4 14448.7 14790.6 15135.0 15481.9 15831.4	2.7 7.1 4.7 11.8 6.8 5.0 7.4 3.9 3.3
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.4 1407.2 1426.9 1446.6 1466.4 1456.1 1505.8 1525.6 1545.3	2.981 2.943 2.911 2.872 2.847 2.825 2.804 2.755 2.737 2.690	2.882 2.842 2.809 2.768 2.742 2.719 2.696 2.646 2.627 2.579	34.560 34.563 34.565 34.568 34.571 34.572 34.574 34.576 34.580 34.583	27.544 27.551 27.555 27.562 27.566 27.569 27.579 27.579 27.583 27.589	33.998 34.096 34.192 34.291 34.387 34.482 34.576 34.675 34.771 34.870	27.535 27.541 27.546 27.552 27.556 27.560 27.563 27.569 27.573 27.580	63.3 62.7 62.3 61.7 61.4 60.9 60.2 59.9 59.2	17.889 18.015 18.140 18.264 18.387 18.510 18.632 18.753 18.873 18.992	90.1 90.2 90.1 90.0 90.0 90.0 90.0 90.0	1484.9 1485.1 1485.3 1485.5 1485.7 1486.0 1486.2 1486.3 1486.6 1486.7	16183.3 16537.7 16894.5 17253.7 17615.4 17979.4 18345.9 18714.6 19085.8 19459.2	6.6 -1.0 .4 10.1 2.2 1.7 .8 2.0 4.6
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.7 1604.5 1624.2 1643.9 1663.6 1683.3 1703.0 1722.8 1742.5 1762.2	2.664 2.639 2.603 2.575 2.549 2.519 2.500 2.456 2.435 2.419	2.551 2.525 2.488 2.458 2.431 2.401 2.380 2.335 2.312 2.294	34.584 34.589 34.591 34.594 34.595 34.597 34.600 34.601 34.603	27.593 27.597 27.602 27.607 27.611 27.615 27.618 27.624 27.627 27.629	34.965 35.061 35.158 35.254 35.350 35.445 35.540 35.639 35.733 35.827	27.583 27.587 27.593 27.597 27.601 27.604 27.607 27.614 27.617 27.619	58.6 58.0 57.6 57.6 56.7 56.7 55.6	19.110 19.228 19.344 19.460 19.575 19.689 19.803 19.916 20.027 20.139	90.0 90.1 90.0 90.1 90.1 90.0 90.0 90.0	1486.9 1487.2 1487.3 1487.6 1488.0 1488.2 1488.4 1488.6 1488.9	19835.0 20213.0 20593.3 20975.9 21360.7 21747.7 22136.9 22528.3 22921.9 23317.7	4.3 8.4 1.1 65 4.4 1.2 5.0 -2.7
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1919.7 1939.4 1959.1	2.400 2.358 2.337 2.318 2.302 2.278 2.254 2.244 2.226 2.207	2.274 2.231 2.209 2.188 2.171 2.145 2.120 2.109 2.089 2.069	34.605 34.608 34.608 34.611 34.613 34.615 34.617 34.619 34.620 34.621	27.633 27.639 27.641 27.645 27.652 27.655 27.657 27.660 27.663	35.921 36.020 36.113 36.208 36.302 36.397 36.492 36.585 36.679 36.773	27.623 27.628 27.630 27.634 27.637 27.641 27.644 27.646 27.649 27.652	55.3 54.6 54.5 54.1 53.5 53.2 53.0 52.8 52.5	20.249 20.359 20.468 20.577 20.685 20.792 20.899 21.005 21.111 21.216	90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0	1489.2 1489.3 1489.6 1489.8 1490.1 1490.3 1490.5 1490.8 1491.1 1491.4	23715.6 24115.6 24517.8 24922.0 25328.4 25736.8 26147.3 26559.9 26974.5 27391.2	4.5 1.3 1.0 3.0 5.4 3.7 1.3 1.4
2000.0 2050.0 2100.0 2150.0 2200.0 2350.0 2300.0 2350.0 2400.0 2450.0	1978.8 2028.0 2077.2 2126.4 2175.6 2224.7 2273.9 2323.0 2372.1 2421.2	2.184 2.130 2.093 2.060 2.014 1.969 1.939 1.923 1.891 1.858	2.044 1.987 1.946 1.910 1.860 1.811 1.777 1.757 1.757	34.622 34.631 34.633 34.638 34.645 34.645 34.645 34.647 34.6651	27.665 27.674 27.681 27.685 27.692 27.698 27.705 27.707 27.710 27.717	36.866 37.103 37.336 37.567 37.801 38.034 38.266 38.493 38.722 38.954	27.654 27.663 27.669 27.673 27.680 27.686 27.692 27.694 27.697 27.703	52.3 51.5 50.9 50.6 49.9 49.4 48.8 48.7 48.4	21.321 21.581 21.837 22.090 22.342 22.590 22.835 23.080 23.323 23.563	90.0 90.0 90.1 90.0 90.0 90.0 90.0 90.0	1491.6 1492.2 1492.9 1493.6 1494.9 1495.6 1496.4 1497.1 1497.8	27809.9 28865.4 29933.3 31013.5 32105.9 33210.3 34326.6 35454.6 36594.4 37745.8	3.2 2.3 2.7 3.6 1.3 1.1 1.1
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2900.0	2470.3 2519.4 2568.5 2617.6 2666.6 2715.7 2764.7 2813.7 2862.7 2911.7	1.832 1.806 1.777 1.747 1.720 1.705 1.683 1.663 1.647	1.654 1.624 1.592 1.558 1.527 1.507 1.481 1.456 1.436	34.652 34.654 34.667 34.662 34.664 34.665 34.667 34.668 34.668	27.719 27.724 27.729 27.733 27.737 27.740 27.743 27.746 27.748 27.748	39.182 39.411 39.640 39.870 40.098 40.324 40.550 40.777 41.002 41.228	27.706 27.710 27.715 27.720 27.723 27.725 27.728 27.731 27.733 27.736	47.3 46.4 46.4 46.8 45.5 45.4	23.802 24.039 24.275 24.508 24.740 24.970 25.199 25.428 25.655 25.881	90.0 90.0 90.0 90.0 90.0 90.0 90.0	1498.5 1499.2 1500.0 1500.7 1501.4 1502.2 1502.9 1503.7 1504.5 1505.3	38908.6 40082.9 41265.4 43673.4 44892.4 47363.3 48615.1 49877.7	1.5 1.0 7 5 .9 1.5 1.2
3000.0 3000.0	2960.7 2960.7	1.608 1.608	1.389 1.389	34.672 34.672	27.755 27.755	41.454 41.454	27.739 27.739	44.9 44.9	26.106 26.106	90.0 90.0	1506.0 1506.0	51151.1 51151.1	.0

Station	6	Latitude	32. 04.	83'N	Longit	ude 126°	50.81'W	22	Aug 1989	GMT 0	7:08	Bottom	
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg		LTR 0/0	5√ m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.8 59.8 69.8 79.8	18.943 18.946 18.832 18.763 18.612 18.379 17.339 15.790 15.282	18.943 18.944 18.828 18.817 18.756 18.603 18.369 17.327 15.778 15.268	33.426 33.468 33.471 33.476 33.477 33.477 33.475 33.448 33.470	23.834 23.866 23.897 23.900 23.919 23.958 24.012 24.267 24.605 24.735	23.834 23.909 23.985 24.031 24.093 24.176 24.273 24.573 24.573 24.573	23.834 23.865 23.897 23.899 23.917 23.956 24.009 24.265 24.602 24.731	405.9 403.2 400.5 400.6 399.2 395.8 391.0 366.9 334.9 322.8	.000 .405 .807 1.207 1.608 2.004 2.397 2.779 3.127 3.454	89.7 89.7 89.7 89.7 89.7 89.5 89.4 89.6	1517.3 1517.6 1517.4 1517.5 1517.5 1517.3 1516.7 1513.9 1509.3 1507.9	.0 2.0 8.1 18.1 32.1 50.1 72.1 97.9 127.3 160.1	.0 41.1 4.0 2.0 100.6 54.4 111.4 281.4 183.3 152.2
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.4 159.4 169.3 179.3 189.2	15.193 14.633 14.078 13.754 13.538 13.020 12.479 11.923 11.628 11.009	15.178 14.616 14.060 13.736 13.518 13.000 12.458 11.902 11.606 10.985	33.606 33.589 33.547 33.556 33.631 33.557 33.557 33.550 33.607 33.589	24.860 24.968 25.053 25.127 25.229 25.307 25.382 25.482 25.581 25.680	25.300 25.454 25.584 25.703 25.850 25.974 26.094 26.386 26.532	24.856 24.964 25.049 25.123 25.225 25.303 25.377 25.478 25.577 25.676	311.2 301.1 293.2 286.3 276.9 269.6 262.6 253.2 243.9 234.6	3.770 4.076 4.374 4.664 4.946 5.219 5.484 5.744 6.232	89.8 89.8 89.9 90.0 90.1 90.2 90.2 90.3	1507.9 1506.3 1504.6 1503.7 1503.2 1501.6 1499.9 1498.1 1497.3 1495.3	196.1 235.2 277.2 370.1 420.6 473.9 529.8 588.1 648.9	133.2 83.0 94.9 78.8 110.7 51.7 38.5 113.6 121.2 167.6
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.1 229.0 238.9 248.9 258.8 268.7 278.7 288.6	10.210 9.768 9.375 9.061 8.877 8.535 8.375 8.194 8.033 7.781	10.187 9.744 9.351 9.036 8.852 8.509 8.349 8.166 8.005 7.752	33.630 33.678 33.767 33.823 33.865 33.931 33.947 33.962 33.972 33.983	25.851 25.963 26.097 26.191 26.253 26.358 26.395 26.434 26.466 26.512	26.751 26.910 27.091 27.232 27.340 27.491 27.574 27.660 27.739 27.831	25.847 25.959 26.093 26.188 26.249 26.354 26.351 26.430 26.462 26.508	218.3 207.6 194.9 186.1 180.3 170.4 167.0 163.4 160.4 156.1	6.458 6.671 6.874 7.064 7.247 7.423 7.592 7.757 7.919 8.078	90.4 90.4 90.5 90.5 90.4 90.3 90.4 90.3	1492.6 1491.3 1490.1 1489.2 1488.7 1487.6 1487.2 1486.7 1486.3 1485.5	712.1 777.3 844.7 913.9 985.0 1057.9 1132.5 1208.8 1286.6 1366.1	159.6 105.6 189.6 66.0 39.3 88.1 16.4 43.8 46.8 35.9
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.3 348.2 358.1 368.0 378.0 387.9	7.597 7.417 7.337 7.182 7.043 6.921 6.729 6.634 6.522 6.400	7.568 7.387 7.306 7.151 7.011 6.888 6.696 6.601 6.488 6.366	33.996 34.000 33.997 34.003 34.006 34.010 34.009 34.015 34.017 34.023	26.548 26.577 26.586 26.613 26.634 26.654 26.697 26.714 26.734	27.914 27.990 28.044 28.118 28.186 28.252 28.325 28.325 28.388 28.452 28.519	26.544 26.573 26.582 26.608 26.630 26.650 26.675 26.692 26.709 26.730	152.8 150.1 149.4 146.9 144.9 143.0 140.6 139.1 137.6 135.6	8.232 8.384 8.533 8.681 8.827 8.971 9.113 9.253 9.392 9.528	90.4 90.3 90.3 90.3 90.2 90.3 90.3	1484.9 1484.4 1484.3 1483.8 1483.4 1483.1 1482.5 1482.3 1482.1 1481.7	1447.1 1529.6 1613.6 1699.1 1786.0 1874.3 1964.1 2055.3 2147.8 2241.7	37.9 36.1 6.5 22.0 7.6 10.8 29.0 33.3 21.6
400.0 410.0 430.0 440.0 450.0 460.0 470.0 480.0	397.8 407.7 417.7 427.6 437.5 447.4 457.4 467.3 477.2 487.1	6.310 6.217 6.195 6.167 6.120 6.038 5.977 5.855 5.647	6.275 6.181 6.159 6.130 6.081 5.999 5.937 5.814 5.606 5.511	34.029 34.033 34.047 34.050 34.078 34.078 34.090 34.090 34.077 34.083	26.751 26.766 26.779 26.786 26.810 26.824 26.842 26.857 26.872 26.889	28.582 28.643 28.703 28.755 28.825 28.886 28.950 29.012 29.012 29.139	26.746 26.761 26.775 26.781 26.805 26.819 26.837 26.852 26.868 26.884	134.2 132.8 131.6 131.1 129.0 127.7 126.1 124.6 123.1 121.6	9.663 9.797 9.929 10.060 10.190 10.318 10.445 10.571 10.694 10.817	90.2 90.3 90.2 90.2 90.2 90.2 90.2 90.2 90.2	1481.6 1481.4 1481.5 1481.5 1481.3 1481.3 1481.3	2337.0 2433.5 2531.4 2630.6 2731.1 2832.8 2935.8 3040.0 3145.5 3252.2	18.4 26.0 14.0 14.6 29.2 6.3 20.1 36.2 3.9 42.3
500.0 510.0 520.0 530.0 540.0 550.0 570.0 580.0 590.0	497.0 507.0 516.9 526.8 536.7 546.5 5566.5 576.4 586.3	5.431 5.394 5.276 5.117 5.051 5.112 5.080 5.031 4.909 4.924	5.390 5.352 5.234 5.074 5.008 5.068 5.035 4.985 4.863 4.877	34.088 34.102 34.112 34.118 34.123 34.143 34.157 34.169 34.184 34.203	26.907 26.922 26.944 26.967 26.988 27.003 27.018 27.044 27.058	29.204 29.265 29.335 29.406 29.464 29.518 29.579 29.640 29.713 29.773	26.902 26.917 26.940 26.962 26.975 26.983 26.998 27.013 27.039 27.052	119.8 118.5 116.4 114.1 113.0 112.4 111.1 109.7 107.2 106.1	10.937 11.057 11.174 11.289 11.403 11.515 11.627 11.738 11.846 11.953	90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2	1479.7 1479.8 1479.5 1479.0 1479.3 1479.3 1479.3 1479.0 1479.3	3360.1 3469.2 3579.4 3690.8 3803.3 3916.9 4031.7 4147.5 4264.4 4382.4	8.6 38.2 28.8 24.1 7.4 18.5 14.4 13.5
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0 690.0	596.2 606.1 616.0 625.9 635.8 645.7 655.7 675.5 685.4	4.878 4.886 4.827 4.797 4.802 4.784 4.753 4.715 4.707 4.685	4.838 4.778 4.747 4.752 4.733 4.701 4.662 4.654 4.631	34.220 34.236 34.243 34.244 34.264 34.268 34.278 34.278 34.290 34.295 34.301	27.076 27.088 27.101 27.104 27.119 27.125 27.136 27.151 27.155 27.163	29.837 29.896 29.954 30.004 30.065 30.117 30.174 30.234 30.285 30.339	27.071 27.083 27.095 27.098 27.114 27.120 27.131 27.145 27.149 27.157	104.4 103.3 102.2 102.0 100.6 100.2 99.2 97.9 97.6 96.9	12.058 12.162 12.265 12.367 12.468 12.568 12.668 12.767 12.865 12.962	90.2 90.2 90.1 90.2 90.2 90.2 90.2 90.2	1479.3 1479.5 1479.4 1479.5 1479.7 1479.8 1479.8 1479.8 1480.0 1480.1	4501.4 4621.4 4742.4 4864.5 4987.6 5111.6 5236.7 5362.7 5489.7 5617.6	29.1 13.6 13.8 8.9 13.9 6.8 11.5 18.0 9.5
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5	4.672 4.655 4.610 4.604 4.570 4.508 4.363 4.449 4.424 4.306	4.617 4.600 4.554 4.547 4.512 4.450 4.305 4.390 4.364 4.246	34.305 34.311 34.318 34.322 34.334 34.344 34.329 34.358 34.363 34.353	27.168 27.174 27.185 27.189 27.202 27.217 27.221 27.235 27.241 27.246	30.389 30.442 30.499 30.548 30.608 30.669 30.722 30.780 30.833 30.885	27.162 27.168 27.179 27.183 27.196 27.210 27.215 27.228 27.235 27.239	96.6 96.0 95.1 94.8 93.6 92.2 91.7 90.6 90.0 89.5	13.059 13.155 13.250 13.345 13.439 13.532 13.624 13.715 13.806 13.896	90.1 90.2 90.2 90.2 90.1 90.2 90.3 90.2 90.1	1480.2 1480.3 1480.4 1480.4 1480.4 1479.9 1480.5 1480.5 1480.5	5746.5 5876.3 6007.1 6138.8 6271.5 6405.0 6539.5 6674.9 6811.2 6948.3	5.4 9.5 5.4 4.5 4.2 -1.9 2.6 6.9
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.388 4.332 4.289 4.263 4.234 4.199 4.181 4.158 4.133 4.127	4.327 4.270 4.227 4.200 4.170 4.134 4.116 4.092 4.066 4.059	34.375 34.381 34.383 34.391 34.395 34.397 34.404 34.408 34.412	27.255 27.261 27.270 27.275 27.284 27.291 27.295 27.303 27.309 27.313	30.938 30.990 31.047 31.097 31.152 31.206 31.256 31.310 31.362 31.412	27.248 27.254 27.264 27.268 27.277 27.284 27.288 27.296 27.302 27.306	88.9 88.4 87.5 87.1 86.4 85.7 84.7 84.2 83.9	13.985 14.074 14.161 14.249 14.335 14.422 14.507 14.592 14.676 14.760	90.1 90.2 90.1 90.2 90.1 90.2 90.1 90.2 90.2	1480.7 1480.7 1480.7 1480.8 1480.8 1480.9 1481.0 1481.0	7086.3 7225.2 7365.0 7505.6 7647.1 7789.5 7932.6 8076.6 8221.5 8367.1	3.7 14.2 8.9 6.3 4.8 7.5 7.5 6.3 3.1
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.6 972.5 982.3	4.104 4.056 4.030 4.008 3.990 3.955 3.930 3.936 3.920 3.897	4.036 3.988 3.961 3.938 3.919 3.884 3.858 3.864 3.847 3.823	34.422 34.431 34.433 34.437 34.444 34.449 34.452 34.459 34.460	27.323 27.333 27.338 27.342 27.347 27.356 27.362 27.365 27.372 27.375	31.468 31.524 31.576 31.626 31.677 31.733 31.785 31.833 31.886 31.935	27.316 27.325 27.331 27.334 27.339 27.349 27.355 27.357 27.364 27.367	83.0 82.1 81.6 81.3 80.9 80.0 79.4 78.7 78.5	14.844 14.927 15.009 15.090 15.171 15.251 15.331 15.411 15.490 15.568	90.1 90.3 90.2 90.1 90.2 90.1 90.1 90.1	1481.2 1481.3 1481.4 1481.5 1481.5 1481.5 1481.7 1481.8 1481.9	8513.6 8660.9 8809.0 8957.9 9107.6 9258.1 9409.4 9561.5 9714.3 9867.9	9.6 6.6 4.6 9.0 6.9 11.0 8.1 4.3 7.5

Station	6	Latitude	32° 04.	83'N	Longit	ide 126°	50.81'W	22	Aug 1989	GMT 0	7:08	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sa l 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m3/s2	N ²
1000.0 1020.0 1040.0 1060.0 1080.0 1120.0 1120.0 1140.0 1160.0	992.2 1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.7 1150.4 1170.2	3.832 3.774 3.774 3.672 3.629 3.593 3.541 3.489 3.446	3.757 3.730 3.697 3.625 3.592 3.548 3.510 3.457 3.404 3.360	34.460 34.474 34.489 34.494 34.501 34.506 34.513 34.516	27.381 27.395 27.404 27.418 27.425 27.431 27.438 27.448 27.458 27.465	31.989 32.095 32.196 32.302 32.401 32.500 32.599 32.701 32.804 32.903	27.374 27.388 27.397 27.410 27.417 27.424 27.430 27.440 27.450 27.456	77.8 76.6 75.9 74.7 74.0 73.5 72.9 72.0 71.1 70.5	15.646 15.801 15.853 16.104 16.252 16.399 16.545 16.691 16.834 16.976	90.1 90.0 90.1 90.1 90.1 90.0 90.1 90.0	1481.8 1482.0 1482.3 1482.3 1482.5 1482.5 1482.8 1483.0 1483.1 1483.2	10022.3 10333.3 10647.3 10964.3 11284.2 11607.0 11932.7 12261.2 12592.5 12926.6	6.7 2.9 13.7 4.4 4.1 4.7 .3 5.0 9.1
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0 1380.0	1189.9 1209.7 1229.5 1249.2 1269.0 1288.7 1308.5 1328.2 1348.0 1367.7	3.402 3.356 3.299 3.245 3.1204 3.128 3.091 3.058 3.039	3.314 3.268 3.209 3.155 3.112 3.073 3.033 2.995 2.961 2.940	34.520 34.529 34.533 34.536 34.539 34.542 34.545 34.545 34.546	27.472 27.479 27.498 27.504 27.510 27.516 27.522 27.526 27.530	33.003 33.102 33.206 33.306 33.404 33.502 33.601 33.699 33.795 33.891	27.464 27.471 27.482 27.489 27.501 27.507 27.513 27.517 27.521	69.2 68.5 665.4 665.3 655.6	17.116 17.255 17.393 17.528 17.663 17.796 17.928 18.059 18.190 18.319	90.0 90.1 90.1 90.0 90.0 90.0 90.0 90.0	1483.4 1483.5 1483.6 1483.7 1483.9 1484.0 1484.2 1484.4 1484.6 1484.8	13263.5 13603.1 13945.4 14290.3 14637.9 14988.1 15340.9 15696.2 16054.1 16414.5	1.8 7.1 .6 11.2 -1.8 -1.7 6.5 5.1
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.5 1407.2 1426.9 1446.4 1466.4 1505.9 1525.6 1545.3	3.010 2.961 2.931 2.886 2.851 2.839 2.807 2.764 2.701 2.674	2.910 2.860 2.828 2.783 2.747 2.733 2.700 2.656 2.591 2.563	34.550 34.553 34.557 34.561 34.564 34.568 34.571 34.574 34.577	27.535 27.541 27.547 27.555 27.559 27.561 27.567 27.567 27.581 27.586	33.987 34.086 34.183 34.283 34.380 34.473 34.571 34.670 34.771 34.867	27.525 27.532 27.538 27.545 27.550 27.552 27.558 27.558 27.564 27.572 27.576	64.3 63.6 63.1 62.4 62.0 61.3 60.7 59.9 59.5	18.448 18.576 18.703 18.829 18.953 19.077 19.200 19.322 19.442 19.561	90.1 90.1 90.0 90.1 90.0 90.1 90.0 90.0	1485.1 1485.2 1485.4 1485.5 1485.7 1486.0 1486.2 1486.4 1486.4	16777.5 17142.9 17510.9 17881.2 18254.0 18629.3 19006.9 19386.9 19769.2 20153.9	5.1 9.2 1.6 5.2 6.4 2.3 3.4
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.5 1624.2 1643.9 1663.7 1683.4 1703.1 1722.8 1742.5 1762.2	2.655 2.595 2.576 2.537 2.504 2.483 2.460 2.425 2.389 2.373	2.542 2.481 2.461 2.421 2.387 2.365 2.340 2.304 2.267 2.249	34.578 34.585 34.588 34.590 34.593 34.597 34.597 34.599 34.601	27.589 27.598 27.602 27.607 27.612 27.616 27.619 27.624 27.629 27.632	34.962 35.064 35.159 35.256 35.353 35.448 35.543 35.640 35.737 35.831	27.580 27.589 27.592 27.597 27.602 27.609 27.614 27.619 27.621	59.2 58.0 57.5 57.0 566.9 555.3 555.3	19.680 19.797 19.914 20.029 20.144 20.257 20.370 20.482 20.593 20.704	90.1 90.0 90.1 90.0 90.0 90.0 90.0 90.0	1486.9 1487.0 1487.2 1487.4 1487.6 1487.8 1488.1 1488.3 1488.4 1488.7	20540.9 20930.1 21321.7 21715.4 22111.4 22509.7 22910.1 23312.7 23717.4 24124.3	2.6 5.5 3.5 1.4 2.3 -1.8
1800.0 1820.0 1840.0 1860.0 1980.0 1920.0 1920.0 1940.0 1960.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1919.8 1939.5 1959.2	2.343 2.337 2.306 2.272 2.248 2.211 2.175 2.167 2.139 2.130	2.218 2.211 2.178 2.144 2.118 2.079 2.042 2.032 2.004 1.993	34.604 34.604 34.606 34.610 34.615 34.615 34.618 34.620 34.622 34.623	27.637 27.638 27.642 27.648 27.651 27.657 27.663 27.665 27.669 27.670	35.928 36.019 36.115 36.214 36.308 36.406 36.504 36.596 36.692 36.784	27.627 27.627 27.631 27.638 27.641 27.646 27.652 27.654 27.658 27.659	54.6 54.7 54.3 53.6 53.7 52.1 52.0 51.6 51.5	20.814 20.923 21.032 21.140 21.247 21.353 21.458 21.562 21.665 21.768	90.0 90.1 89.9 90.0 90.1 90.1 90.0 90.0 90.0	1488.9 1489.2 1489.4 1489.6 1489.9 1490.0 1490.2 1490.5 1490.7	24533.3 24944.5 25357.7 25773.1 26190.5 26610.0 27031.5 27455.1 27880.6 28308.1	4.7 1.3 2.7 1.00 6.5 7.2 2.5
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2350.0 2350.0 2364.0	1978.8 2028.0 2077.2 2126.4 2175.6 2224.7 2273.9 2323.0 2336.8	2.109 2.084 2.041 1.990 1.946 1.903 1.907 1.890 1.885	1.970 1.941 1.895 1.841 1.793 1.747 1.746 1.725	34.624 34.628 34.633 34.638 34.640 34.644 34.643 34.645	27.673 27.678 27.686 27.694 27.700 27.706 27.705 27.709 27.709	36.878 37.109 37.344 37.580 37.812 38.045 38.269 38.497 38.561	27.662 27.667 27.674 27.682 27.688 27.694 27.693 27.696 27.697	51.2 50.9 50.2 49.4 48.9 48.3 48.6 48.4	21.871 22.126 22.379 22.629 22.875 23.118 23.360 23.603 23.670	90.0 90.0 90.1 90.1 90.0 90.0 90.0 90.0	1491.3 1492.0 1492.7 1493.3 1493.9 1494.6 1495.5 1496.2	28737.7 29820.1 30914.8 32021.5 33140.2 34270.7 35412.7 36566.5 36891.6	1.7 3.8 2.3 .6 .9 4.5 7

Station	7	Latitude	32° 06.	16'N	Longit	ude 126°	54.99'W	22	Aug 1989	GMT 0	2:28	Bottom	
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	sigma-0 kg/m ³	sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m3/s2	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	.0 10.0 19.9 29.9 39.8 59.8 69.8 79.7	18.983 18.976 18.853 18.837 18.730 18.565 18.254 17.226 16.483 16.205	18.983 18.975 18.850 18.832 18.723 18.556 18.244 17.214 16.471 16.191	33.477 33.483 33.482 33.484 33.478 33.472 33.591 33.646 33.679	23.863 23.867 23.901 23.905 23.934 23.971 24.044 24.383 24.600 24.689	23.863 23.910 23.988 24.035 24.108 24.188 24.305 24.689 24.689 25.084	23.863 23.866 23.900 23.903 23.932 23.969 24.041 24.381 24.597 24.686	403.1 403.1 400.2 400.2 397.8 394.6 388.0 355.9 335.5 327.3	.000 .403 .804 1.204 1.604 2.000 2.392 2.767 3.110 3.442	89.6 89.6 89.4 89.5 89.4 89.5 89.4	1517.5 1517.7 1517.6 1517.4 1517.1 1516.4 1513.7 1511.7	.0 2.0 8.0 18.0 32.0 50.0 71.9 97.6 126.9 159.5	.0 46.3 5.8 2.6 97.7 41.2 190.2 443.6 97.7 50.8
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3	15.336 15.006 14.429 14.219 13.553 12.830 11.982 11.362 10.857 10.557	15.321 14.990 14.411 14.200 13.533 12.810 11.962 11.340 10.835 10.534	33.601 33.600 33.602 33.633 33.626 33.593 33.580 33.598 33.587 33.637	24.824 24.896 25.021 25.090 25.222 25.341 25.494 25.705 25.796	25.264 25.381 25.552 25.665 25.843 26.008 26.209 26.385 26.513 26.650	24.821 24.892 25.018 25.086 25.218 25.337 25.490 25.701 25.792	314.6 308.0 296.3 290.0 277.6 266.3 251.8 239.6 231.8 223.3	3.763 4.075 4.375 4.668 4.953 5.224 5.484 5.731 6.194	89.6 89.7 89.6 89.7 89.9 90.0 90.2 90.2 90.2	1508.4 1507.5 1505.8 1505.3 1501.0 1498.2 1494.6 1493.7	195.4 234.5 276.5 321.5 369.4 420.1 473.4 529.1 587.3 647.8	50.9 124.7 70.4 118.4 217.8 77.8 120.3 169.1 54.0 97.5
200.0 210.0 220.0 230.0 240.0 250.0 270.0 280.0 290.0	199.2 209.1 219.1 229.0 238.9 258.8 268.7 278.7 288.6	10.076 9.776 9.468 9.242 8.943 8.719 8.517 8.323 8.207 8.093	10.053 9.753 9.444 9.217 8.917 8.693 8.490 8.295 8.178 8.064	33.666 33.761 33.761 33.846 33.893 33.926 33.950 33.955 33.966	25.902 25.958 26.077 26.140 26.228 26.300 26.357 26.406 26.427 26.453	26.802 26.905 27.070 27.179 27.314 27.432 27.536 27.631 27.698 27.770	25.898 25.954 26.073 26.136 26.224 26.296 26.353 26.402 26.423 26.448	213.4 208.1 196.9 191.1 182.8 176.0 170.7 166.2 164.3 162.0	6.412 6.622 6.824 7.019 7.207 7.385 7.558 7.727 7.893 8.056	90.2 90.3 90.3 90.2 90.2 90.2 90.2 90.2	1492.2 1491.3 1490.4 1489.8 1488.9 1488.3 1487.7 1486.9 1486.9	710.5 775.3 842.1 910.9 981.6 1054.1 1128.3 1204.3 1281.9 1361.1	84.0 91.0 49.3 35.8 105.2 20.2 29.6 70.8 18.7 26.0
300.0 310.0 320.0 330.0 340.0 350.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.3 348.2 358.1 368.0 378.0 387.9	7.924 7.746 7.546 7.547 7.369 7.108 6.947 6.736 6.579	7.894 7.715 7.561 7.415 7.336 7.075 6.710 6.773 6.701	33.978 33.990 33.994 33.997 33.998 34.002 34.004 34.011 34.009	26.487 26.523 26.548 26.571 26.583 26.622 26.646 26.670 26.679 26.699	27.850 27.933 28.004 28.074 28.132 28.219 28.290 28.360 28.415 28.483	26.482 26.518 26.544 26.567 26.579 26.618 26.642 26.666 26.675 26.695	158.8 155.4 153.1 151.0 150.0 146.2 144.0 141.8 141.0	8.216 8.373 8.528 8.679 8.830 8.977 9.123 9.265 9.406	90.2 90.1 90.1 90.1 90.1 90.1 90.1 90.1	1486.2 1485.7 1485.2 1484.9 1483.9 1483.4 1483.0 1482.9 1482.4	1441.9 1524.3 1608.2 1693.6 1780.6 1869.0 1958.8 2050.1 2142.8 2236.8	31.5 50.8 49.0 14.5 35.8 3.6 25.8 17.0 2.0
400.0 410.0 420.0 430.0 440.0 450.0 470.0 480.0 490.0	397.8 407.7 417.7 427.6 437.5 447.4 457.4 467.3 477.2 487.1	6.539 6.484 6.422 6.271 6.172 6.132 6.037 5.958 5.742	6.503 6.447 6.384 6.233 6.133 6.093 5.997 5.998 5.798 5.700	34.028 34.034 34.040 34.046 34.059 34.084 34.089 34.085 34.087	26.720 26.732 26.745 26.769 26.792 26.803 26.830 26.844 26.855 26.869	28.549 28.608 28.666 28.738 28.807 28.864 28.937 28.997 29.116	26.715 26.728 26.740 26.765 26.787 26.798 26.825 26.825 26.838 26.850 26.864	137.3 136.2 135.1 132.8 130.7 129.8 127.3 126.0 125.0 123.7	9.685 9.821 9.957 10.091 10.223 10.353 10.481 10.608 10.734 10.858	90.2 90.1 90.0 90.1 90.1 90.0 90.0 90.1	1482.5 1482.4 1482.3 1481.9 1481.7 1481.7 1481.5 1481.4 1481.0 1480.8	2332.3 2429.1 2527.2 2626.7 2727.5 2829.6 2932.9 3037.5 3143.4 3250.5	27.8 14.6 23.1 9.6 14.0 27.2 18.7 18.1 9.0 21.8
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 507.0 516.9 526.8 536.7 546.5 556.5 576.4 586.3	5.608 5.445 5.265 5.180 5.125 5.060 4.942 4.788 4.754	5.566 5.403 5.222 5.138 5.081 5.016 4.898 4.796 4.743 4.708	34.096 34.111 34.105 34.114 34.123 34.132 34.129 34.129 34.144 34.151 34.171	26.892 26.923 26.940 26.957 26.985 26.996 27.020 27.031 27.051	29.187 29.266 29.331 29.395 29.455 29.516 29.574 29.645 29.703 29.769	26.886 26.918 26.935 26.952 26.966 26.980 26.991 27.015 27.026 27.046	121.5 118.4 116.7 115.1 113.9 112.6 111.5 109.3 108.2 106.4	10.981 11.101 11.219 11.335 11.449 11.563 11.674 11.785 11.894 12.001	90.1 90.0 90.0 90.0 90.0 90.0 90.0 90.0	1480.5 1480.0 1479.4 1479.2 1479.2 1479.1 1478.8 1478.5 1478.5	3358.8 3468.3 3579.0 3690.8 3803.8 3917.9 4033.1 4149.4 4266.7 4385.2	25.6 28.2 19.7 10.3 6.2 11.2 1.8 28.1 11.2
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.7 655.7 675.5 685.4	4.660 4.635 4.595 4.575 4.540 4.509 4.489 4.449 4.414 4.397	4.614 4.588 4.547 4.527 4.490 4.459 4.438 4.398 4.362 4.345	34.175 34.184 34.194 34.199 34.221 34.221 34.228 34.240 34.255 34.263	27.065 27.074 27.087 27.094 27.107 27.118 27.126 27.139 27.155 27.163	29.830 29.885 29.944 29.997 30.056 30.114 30.168 30.228 30.290 30.344	27.060 27.069 27.082 27.088 27.101 27.113 27.120 27.134 27.150 27.158	105.1 104.3 103.1 102.6 101.4 100.4 99.8 98.5 97.1 96.4	12.107 12.212 12.315 12.418 12.520 12.621 12.722 12.821 12.919 13.016	90.0 90.0 90.0 90.0 90.1 90.0 90.0 90.0	1478.3 1478.4 1478.5 1478.5 1478.6 1478.7 1478.7	4504.7 4625.2 4746.7 4869.3 4992.9 5117.5 5243.0 5369.1 54625.6	10.3 3.2 5.0 12.0 4.1 10.0 10.9 4.4 22.0 3.3
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5 784.4	4.391 4.380 4.388 4.389 4.369 4.345 4.321 4.320 4.308 4.303	4.337 4.326 4.333 4.333 4.313 4.288 4.264 4.261 4.249	34.268 34.277 34.286 34.293 34.301 34.311 34.323 34.337 34.347 34.362	27.169 27.177 27.184 27.189 27.198 27.208 27.220 27.231 27.240 27.253	30.395 30.449 30.502 30.553 30.668 30.664 30.722 30.779 30.834 30.893	27.163 27.171 27.178 27.183 27.192 27.202 27.214 27.225 27.234 27.247	96.0 95.3 94.8 94.4 93.6 92.7 91.6 90.7 89.9 88.8	13.112 13.207 13.302 13.397 13.491 13.584 13.676 13.768 13.858 13.858	89.9 90.0 90.0 90.1 90.0 90.0 90.0 90.1	1479.0 1479.1 1479.3 1479.5 1479.6 1479.6 1479.7 1479.9 1480.0 1480.2	5755.0 5885.3 6016.6 6148.9 6282.0 6416.1 6551.1 6687.0 6823.8 6961.4	21.4 5 14.7 2.1 6.5 5.1 16.5 10.4 8.6
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 890.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.310 4.254 4.223 4.176 4.137 4.084 4.046 4.003 3.986 3.982	4.249 4.193 4.161 4.113 4.074 4.020 3.981 3.938 3.920 3.915	34.369 34.395 34.407 34.410 34.413 34.414 34.426 34.429 34.434 34.436	27.258 27.285 27.298 27.305 27.312 27.318 27.332 27.339 27.344 27.346	30.943 31.016 31.075 31.129 31.235 31.236 31.349 31.400 31.448	27.252 27.278 27.291 27.298 27.305 27.311 27.325 27.332 27.332	88.5 86.0 84.8 84.2 83.6 82.9 81.0 80.6 80.5	14.036 14.124 14.209 14.293 14.377 14.461 14.543 14.624 14.705 14.786	90.0 89.9 89.9 89.9 90.0 90.0 90.0 89.9	1480.4 1480.4 1480.4 1480.4 1480.3 1480.4 1480.3 1480.4 1480.6	7100.0 7239.4 7379.6 7520.7 7662.6 7805.4 7948.9 8093.2 8238.4 8384.3	12.7 59.9 4.2 8.9 4 4.8 16.0 2.5 4.8 16.6
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.6 972.5 982.3	3.931 3.927 3.912 3.912 3.885 3.874 3.862 3.857 3.851 3.831	3.864 3.859 3.844 3.843 3.816 3.803 3.791 3.785 3.778 3.778	34.448 34.452 34.451 34.458 34.459 34.462 34.462 34.463 34.467	27.358 27.362 27.366 27.366 27.373 27.376 27.380 27.381 27.382 27.387	31.507 31.556 31.607 31.653 31.706 31.755 31.804 31.851 31.898 31.949	27.351 27.355 27.359 27.359 27.366 27.369 27.373 27.373 27.374 27.379	79.3 79.1 78.7 78.8 78.1 77.9 77.7 77.6 77.6	14.866 14.945 15.024 15.102 15.181 15.259 15.336 15.414 15.492 15.569	89.9 90.0 89.9 89.9 90.0 89.9 89.9 89.9	1480.6 1480.7 1480.8 1481.0 1481.0 1481.2 1481.3 1481.4 1481.6	8531.0 8678.5 8826.8 8975.8 9125.6 9276.2 9427.5 9579.6 9579.6 9886.1	12.7 2.2 -1.0 1.9 3.7 1 .5 4.3 3.7 -3.3

Station	7	Latitude	32. 06.	16'N	Longitu	de 126°	54.99'W	22	Aug 1989	GMT 09	:28	Bottom	1260 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0 1180.0	992.2 1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.7 1150.4 1170.2	3.747 3.721 3.719 3.687 3.527 3.456 3.438 3.432 3.431 3.401	3.673 3.646 3.642 3.609 3.449 3.376 3.357 3.349 3.327 3.315	34.480 34.484 34.488 34.506 34.512 34.514 34.514 34.515 34.518	27.406 27.412 27.418 27.448 27.460 27.463 27.465 27.468 27.471	32.016 32.113 32.204 32.303 32.428 32.533 32.628 32.721 32.816 32.910	27.399 27.404 27.404 27.411 27.452 27.456 27.457 27.460 27.463	75.3 74.9 75.1 74.5 70.3 70.1 70.2 70.0 69.8	15.645 15.795 15.945 16.094 16.241 16.383 16.523 16.663 16.803 16.943	89.9 89.9 89.9 89.8 89.8 89.8 89.8	1481.5 1481.7 1482.0 1482.2 1481.9 1482.2 1482.5 1482.7 1483.0	10040.5 10351.4 10665.3 10982.1 11301.8 11624.3 11949.6 12277.6 12608.4 12941.8	5.5 -1.5 6.1 20.1 7.6 -1.5 2.3
1200.0 1220.0 1240.0 1260.0 1280.0 1300.0 1320.0	1189.9 1209.7 1229.5 1249.2 1269.0 1288.7 1308.5 1320.3	3.369 3.324 3.318 3.238 3.250 3.187 3.121 3.128	3.282 3.236 3.229 3.148 3.158 3.093 3.027 3.032	34.521 34.524 34.525 34.532 34.530 34.536 34.541 34.540	27.476 27.483 27.485 27.498 27.496 27.506 27.516	33.007 33.107 33.200 33.306 33.394 33.498 33.601 33.654	27.468 27.475 27.476 27.490 27.487 27.498 27.507 27.506	69.4 68.7 67.4 67.9 66.8 65.8	17.083 17.220 17.358 17.494 17.629 17.763 17.896 17.976	90.0 89.8 89.8 89.8 89.8	1483.4 1483.7 1483.7 1484.1 1484.1 1484.2 1484.4	13278.0 13617.0 13958.6 14302.8 14649.7 1499.3 15351.4 15564.0	10.3 -2.3 8.5 8 -6.1 8 -3.7

Station	8	Latitude	32. 07.	91'N	Longitu	ide 126°	59.64'W	22	Aug 1989	GMT 1	1:24	Bottom	3020 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	.0 10.0 19.9 29.9 39.9 49.8 59.8 79.7 89.7	18.986 18.987 18.920 18.895 18.887 18.731 17.707 16.532 16.125 15.882	18.986 18.986 18.916 18.880 18.722 17.697 16.520 16.112 15.868	33.491 33.495 33.493 33.493 33.487 33.472 33.699 33.684 33.743	23.873 23.893 23.899 23.899 23.901 23.937 24.177 24.629 24.711 24.812	23.873 23.916 23.980 24.029 24.075 24.154 24.439 24.935 25.062 25.207	23.873 23.872 23.893 23.897 23.899 23.934 24.174 24.626 24.708 24.809	402.2 402.6 400.9 400.7 400.9 397.9 375.2 3324.9 315.5	.000 .402 .805 1.205 1.606 2.006 2.395 2.752 3.079 3.398	89.1 89.1 89.1 89.1 89.1 89.2 89.2 89.3	1517.5 1517.7 1517.7 1517.8 1517.9 1517.6 1514.8 1511.7 1510.6	2.0 8.0 18.0 32.1 50.1 72.0 97.7 126.8 159.0	.0 5 36.4 3.7 2.0 22.2 290.8 220.7 104.1 21.8
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.3 179.3	15.165 14.608 14.221 13.815 13.069 12.396 11.971 10.732 10.780	15.150 14.592 14.204 13.797 13.050 12.377 11.950 11.324 10.710 10.158	33.657 33.630 33.619 33.635 33.622 33.608 33.587 33.590 33.644 33.672	24.905 25.004 25.078 25.176 25.316 25.437 25.501 25.619 25.771 25.889	25.346 25.490 25.608 25.751 25.939 26.105 26.216 26.381 26.580 26.744	24.902 25.001 25.074 25.172 25.313 25.433 25.498 25.768 25.768 25.885	306.9 297.6 290.8 281.8 268.4 257.1 251.1 239.9 225.5 214.4	3.710 4.013 4.306 4.593 4.868 5.131 5.385 5.630 5.863 6.082	89.3 89.3 89.4 89.6 89.7 89.8 89.8	1507.9 1506.2 1505.1 1504.0 1501.7 1499.5 1498.2 1496.2 1494.2 1492.4	194.4 232.9 274.3 318.6 365.7 415.4 467.7 522.5 579.7 639.1	103.0 127.2 -5.8 126.5 137.2 143.3 49.8 92.7 129.2 48.0
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 248.8 258.8 268.7 278.6 288.6	9.624 9.148 8.930 8.752 8.553 8.397 8.259 8.195 7.910 7.852	9.602 9.125 8.907 8.727 8.528 8.371 8.232 8.168 7.882 7.824	33.738 33.818 33.861 33.886 33.913 33.936 33.952 33.958 33.986	26.033 26.173 26.241 26.289 26.341 26.416 26.416 26.431 26.495 26.506	26.935 27.123 27.237 27.331 27.429 27.517 27.597 27.656 27.768 27.824	26.029 26.169 26.237 26.285 26.379 26.412 26.427 26.427 26.491 26.501	200.7 187.5 181.1 176.7 171.9 168.0 164.9 163.7 157.6 156.8	6.292 6.485 6.670 6.849 7.023 7.193 7.360 7.524 7.686 7.843	89.8 89.8 89.8 89.8 89.8 89.8 89.8	1490.6 1489.1 1488.5 1488.1 1487.5 1487.1 1486.8 1486.8 1485.8	700.6 764.1 829.5 896.7 965.6 1036.2 1108.5 1182.5 1258.0 1335.1	208.6 43.1 132.7 76.1 17.3 43.3 28.9 64.9 29.4
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.2 358.1 368.0 377.9 387.9	7.673 7.490 7.329 7.229 7.203 7.176 7.010 6.833 6.696 6.592	7.644 7.460 7.298 7.198 7.171 7.143 6.976 6.799 6.661 6.556	34.001 33.999 34.001 34.009 34.022 34.027 34.027 34.029 34.028 34.030	26.542 26.566 26.591 26.611 26.629 26.629 26.656 26.699 26.715	27.907 27.978 28.049 28.116 28.163 28.225 28.299 28.371 28.435 28.497	26.537 26.562 26.587 26.607 26.608 26.625 26.652 26.677 26.694 26.710	153.4 151.2 148.9 147.1 145.6 143.1 149.2 139.2	7.998 8.151 8.301 8.449 8.596 8.743 8.887 9.029 9.169 9.307	89.8 89.7 89.7 89.7 89.7 89.7 89.7	1485.2 1484.7 1484.2 1484.0 1484.1 1484.2 1483.7 1483.1 1482.8 1482.5	1413.8 1494.0 1575.7 1658.8 1743.5 1829.5 1917.1 2006.0 2096.3 2188.0	35.0 9.2 16.2 8.6 4.8 37.8 39.6 24.0 22.2
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.3 477.2 487.1	6.549 6.402 6.256 6.123 6.026 5.857 5.785 5.655 5.531 5.414	6.513 6.365 6.219 6.085 5.988 5.819 5.744 5.616 5.491	34.035 34.045 34.047 34.045 34.051 34.062 34.077 34.073 34.071	26.725 26.751 26.772 26.788 26.804 26.823 26.843 26.8871 26.883 26.895	28.553 28.627 28.694 28.757 28.821 28.887 28.954 29.029 29.088 29.147	26.720 26.747 26.767 26.783 26.799 26.818 26.839 26.867 26.878 26.890	136.9 134.3 132.4 130.9 129.4 127.6 125.7 123.1 121.9 120.8	9.444 9.580 9.714 9.845 9.975 10.104 10.230 10.355 10.477 10.599	89.7 89.6 89.6 89.6 89.6 89.6 89.6	1482.5 1482.1 1481.3 1481.1 1480.6 1480.5 1480.1 1479.8	2281.1 2375.5 2471.2 2568.2 2566.6 2766.2 2867.1 2969.2 3072.5 3177.0	17.5 6.4 40.6 33.9 5.7 33.5 30.0 36.7 8.9
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0	497.0 506.9 516.8 526.8 536.7 5466.5 566.4 576.3 586.3	5.343 5.316 5.422 5.337 5.023 4.910 4.841 4.743 4.704	5.302 5.274 5.379 5.294 4.980 4.867 4.797 4.766 4.698 4.659	34.081 34.088 34.115 34.129 34.127 34.127 34.126 34.129 34.139 34.149	26.911 26.921 26.930 26.951 26.986 26.998 27.006 27.012 27.027 27.039	29.210 29.265 29.319 29.386 29.471 29.531 29.585 29.637 29.699 29.758	26.906 26.916 26.925 26.945 26.993 27.001 27.007 27.022 27.034	119.3 118.5 117.9 116.0 112.4 111.2 110.5 110.0 108.6 107.5	10.719 10.838 10.957 11.073 11.187 11.299 11.410 11.520 11.629 11.737	89.6 89.6 89.6 89.6 89.6 89.6 89.6	1479.4 1479.4 1480.0 1479.9 1478.8 1478.5 1478.3 1478.3 1478.3	3282.8 3389.7 3497.8 3607.0 3717.4 3828.8 3941.4 4055.1 4169.8 4285.7	17.4 2.7 15.1 23.8 20.0 2.7 -2.0 3.8 2.9 15.8
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.7 655.6 675.4 685.3	4.681 4.662 4.665 4.655 4.658 4.733 4.631 4.557 4.550 4.472	4.634 4.615 4.619 4.607 4.638 4.682 4.580 4.505 4.537 4.419	34.162 34.176 34.195 34.206 34.220 34.247 34.252 34.253 34.266 34.270	27.052 27.066 27.080 27.090 27.098 27.114 27.130 27.139 27.145 27.162	29.817 29.876 29.936 29.993 30.045 30.106 30.169 30.225 30.277 30.341	27.047 27.060 27.075 27.085 27.092 27.108 27.124 27.133 27.140 27.156	106.3 105.1 103.9 103.0 102.5 101.1 99.6 98.8 98.3 96.7	11.844 11.950 12.054 12.158 12.261 12.362 12.463 12.562 12.661 12.759	89.6 89.6 89.6 89.6 89.6 89.6 89.6	1478.4 1478.5 1478.7 1478.8 1479.1 1479.5 1479.3 1479.1 1479.5 1479.1	4402.5 4520.5 4639.4 4759.4 4880.4 5002.4 5125.4 5249.4 5374.4 5500.3	2.4 27.0 4.1 13.8 23.5 12.1 1.8 7.7 13.8
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.8 754.7 764.6 774.5 784.4	4.466 4.440 4.393 4.376 4.372 4.347 4.354 4.314 4.285 4.298	4.413 4.386 4.338 4.320 4.316 4.290 4.295 4.255 4.226 4.237	34.275 34.291 34.298 34.301 34.313 34.314 34.328 34.333 34.338 34.338	27.166 27.181 27.192 27.197 27.206 27.210 27.221 27.229 27.236 27.245	30.391 30.453 30.510 30.560 30.616 30.666 30.722 30.777 30.830 30.885	27.160 27.175 27.186 27.191 27.200 27.204 27.214 27.223 27.230 27.239	96.4 95.0 94.0 93.7 92.8 92.5 91.7 90.9 90.3 89.5	12.855 12.951 13.045 13.139 13.233 13.325 13.417 13.508 13.599 13.689	89.6 89.6 89.5 89.6 89.6 89.6 89.6	1479.3 1479.4 1479.3 1479.4 1479.6 1479.7 1479.9 1479.9 1479.9	5627.2 5755.0 5883.7 6013.4 6144.0 6275.5 6408.0 6541.3 6675.5 6810.6	3.6 19.1 .7 6.2 5.4 7.1 3.6 9.8 20.9
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.254 4.222 4.204 4.199 4.171 4.156 4.135 4.096 4.097	4.193 4.161 4.141 4.136 4.108 4.092 4.070 4.030 4.031 3.985	34.363 34.371 34.384 34.388 34.410 34.418 34.424 34.435 34.441	27.259 27.269 27.281 27.285 27.296 27.308 27.316 27.325 27.333 27.343	30.945 31.001 31.059 31.108 31.166 31.224 31.278 31.333 31.388 31.443	27.253 27.263 27.274 27.278 27.289 27.301 27.309 27.318 27.326 27.336	88.3 87.4 86.3 86.1 85.1 84.0 83.3 82.5 81.8 80.9	13.778 13.866 13.953 14.039 14.124 14.209 14.292 14.375 14.458 14.539	89.6 89.6 89.6 89.6 89.6 89.6 89.6	1480.2 1480.2 1480.3 1480.5 1480.5 1480.6 1480.7 1480.7 1480.9	6946.6 7083.4 7221.1 7359.7 7499.1 7639.3 7780.4 7922.3 8064.9 8208.4	24.7 10.4 12.7 6.3 1.6 4.3 8.9 13.0 7.5 6.9
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.6 962.5 972.4 982.3	4.008 3.986 3.981 3.954 3.920 3.891 3.868 3.838 3.809	3.940 3.918 3.912 3.885 3.874 3.849 3.820 3.796 3.766 3.735	34.443 34.447 34.452 34.456 34.457 34.457 34.457 34.460 34.463 34.468	27.349 27.355 27.359 27.365 27.367 27.370 27.373 27.377 27.383 27.390	31.497 31.549 31.598 31.650 31.698 31.747 31.797 31.848 31.899 31.953	27.342 27.348 27.352 27.358 27.360 27.363 27.366 27.370 27.376 27.376	80.3 79.8 79.5 79.0 78.9 78.6 78.6 77.5	14.620 14.700 14.779 14.859 15.016 15.095 15.173 15.251 15.328	89.5 89.6 89.4 89.5 89.5 89.4 89.6	1480.9 1481.0 1481.1 1481.2 1481.3 1481.4 1481.5 1481.5 1481.5	8352.7 8497.8 8643.6 8790.2 8937.6 9085.8 9234.7 9384.5 9686.2	4.6 6.2 5.8 6.1 5.8 5.8 4.9 5.9

Station	8	Latitude	32' 07.	91'N	Longit	ude 126°	59.64'W	22	Aug 1989	GMT 1	1:24	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	$10^{6}/s^{2}$
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0 1180.0	992.2 1012.0 1031.8 1051.5 1071.3 1091.1 1110.9 1130.6 1150.4 1170.2	3.809 3.750 3.722 3.682 3.646 3.526 3.526 3.457 3.408 3.364	3.735 3.674 3.645 3.604 3.566 3.516 3.444 3.375 3.324 3.279	34.478 34.487 34.491 34.496 34.504 34.510 34.514 34.520 34.523	27.398 27.411 27.417 27.425 27.432 27.440 27.452 27.462 27.472 27.479	32.006 32.112 32.210 32.310 32.408 32.510 32.615 32.717 32.819 32.919	27.409 27.409 27.417 27.424 27.433 27.445 27.454 27.463 27.471	76.2 75.0 74.6 73.9 73.3 72.6 71.4 70.5 69.6	15.404 15.556 15.705 15.854 16.000 16.146 16.290 16.432 16.572	89.4 89.4 89.4 89.4 89.4 89.4 89.4	1481.7 1481.8 1482.0 1482.2 1482.4 1482.5 1482.6 1482.6 1482.7 1482.9	9838.1 10144.3 10453.5 10765.5 11080.5 11398.3 11718.9 12042.3 12368.5 12697.4	8.7 5.5 .2 1.1 2.3 6.4 10.5 2.9 4.4 5.6
1200.0 1220.0 1240.0 1260.0 1280.0 1300.0 1320.0 1340.0 1360.0 1380.0	1189.9 1209.7 1229.4 1249.2 1268.9 1288.7 1308.4 1328.2 1347.9 1367.7	3.317 3.282 3.251 3.190 3.141 3.109 3.091 3.059 3.026 2.995	3.231 3.194 3.162 3.099 3.050 3.017 2.997 2.963 2.929 2.897	34.526 34.530 34.533 34.537 34.540 34.544 34.547 34.550 34.550	27.486 27.492 27.498 27.507 27.514 27.518 27.522 27.527 27.532 27.537	33.018 33.117 33.214 33.316 33.416 33.512 33.607 33.705 33.802 33.899	27.477 27.483 27.489 27.498 27.505 27.510 27.513 27.518 27.524 27.528	68.4 67.8 67.3 66.5 65.8 65.4 65.2 64.8 64.3	16.847 16.984 17.119 17.253 17.386 17.517 17.648 17.777 17.906 18.034	89.4 89.4 89.4 89.4 89.4 89.4 89.4	1483.0 1483.2 1483.4 1483.5 1483.6 1483.8 1484.1 1484.3 1484.5 1484.7	13029.0 13363.2 13700.1 14039.7 14381.8 14726.5 15073.7 15423.5 15775.8 16130.6	3.8 2.1 8.2 3.5 3.3 3.3 2.1
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.4 1407.2 1426.9 1446.6 1466.4 1455.8 1505.8 1525.6 1545.3	2.985 2.940 2.916 2.885 2.822 2.787 2.744 2.721 2.711 2.687	2.886 2.839 2.814 2.781 2.718 2.681 2.637 2.613 2.601 2.576	34.558 34.558 34.565 34.565 34.567 34.571 34.573 34.574 34.576	27.539 27.545 27.549 27.553 27.568 27.568 27.575 27.579 27.580 27.584	33.992 34.090 34.186 34.283 34.385 34.482 34.581 34.677 34.769 34.865	27.530 27.536 27.540 27.554 27.559 27.565 27.569 27.571 27.574	63.8 63.2 62.9 62.5 61.5 60.4 60.1 60.0 59.7	18.162 18.289 18.415 18.540 18.664 18.787 18.908 19.029 19.149 19.269	89.4 89.4 89.4 89.4 89.4 89.4 89.4	1485.0 1485.1 1485.3 1485.5 1485.6 1485.9 1486.2 1486.5 1486.7	16487.9 16847.7 17209.9 17574.6 17941.7 18311.2 18683.1 19057.3 19433.9 19812.8	3.9 .4 3.4 4.0 4.5 1.9 2.2 -1.3
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.7 1604.5 1624.2 1643.9 1663.6 1683.3 1703.0 1722.8 1742.5 1762.2	2.650 2.611 2.573 2.505 2.469 2.416 2.397 2.341 2.331	2.537 2.497 2.458 2.390 2.353 2.326 2.297 2.277 2.219 2.208	34.579 34.585 34.590 34.593 34.594 34.597 34.599 34.604 34.604	27.590 27.595 27.602 27.612 27.627 27.620 27.625 27.628 27.636 27.638	34.963 35.060 35.159 35.263 35.360 35.455 35.455 35.645 35.747 35.839	27.580 27.585 27.592 27.602 27.607 27.611 27.615 27.618 27.626 27.627	59.1 58.0 56.9 56.9 55.7 55.4 54.4	19.388 19.505 19.622 19.736 19.850 19.850 20.074 20.185 20.295 20.403	89.4 89.4 89.4 89.4 89.4 89.4 89.4	1486.9 1487.0 1487.2 1487.3 1487.4 1487.7 1487.9 1488.1 1488.2 1488.5	20194.0 20577.5 20963.3 21351.3 21741.6 22134.0 22528.5 22925.3 23324.2 23725.1	-1.5 1.7 16.1 1.7 6.1 9 3 2.9 11.4
1800.0 1820.0 1840.0 1860.0 1880.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1919.7 1939.4 1959.1	2.325 2.306 2.294 2.262 2.241 2.231 2.156 2.157 2.143 2.133	2.201 2.180 2.167 2.133 2.110 2.100 2.063 2.023 2.027 1.996	34.605 34.607 34.608 34.611 34.613 34.613 34.617 34.621 34.622 34.622	27.639 27.642 27.644 27.653 27.654 27.660 27.666 27.669 27.671	35.931 36.025 36.118 36.215 36.310 36.402 36.500 36.598 36.692 36.784	27.628 27.632 27.633 27.639 27.642 27.643 27.649 27.655 27.658 27.660	54.4 54.1 54.0 53.4 53.2 52.5 51.8 51.6 51.4	20.512 20.620 20.729 20.836 20.942 21.049 21.154 21.258 21.362 21.465	89.4 89.4 89.4 89.4 89.4 89.4 89.4	1488.8 1489.1 1489.4 1489.6 1489.8 1490.1 1490.3 1490.5 1490.7	24128.2 24533.4 24940.7 25350.1 25761.5 26175.0 26590.5 27008.1 27427.6 27849.2	3.0 -1.7 2.4 4.2 2 3.6 1.9 4.2 .7 2.8
2000.0 2050.0 2150.0 2250.0 2250.0 2350.0 2400.0 2450.0	1978.8 2028.0 2077.2 2126.4 2175.5 2224.7 2273.9 2323.0 2372.1 2421.2	2.101 2.062 2.015 1.969 1.944 1.896 1.878 1.830 1.821 1.799	1.963 1.920 1.869 1.820 1.791 1.740 1.718 1.666 1.653 1.627	34.626 34.631 34.635 34.639 34.642 34.645 34.647 34.650 34.651 34.653	27.675 27.682 27.690 27.696 27.701 27.708 27.711 27.717 27.719 27.722	36.881 37.115 37.349 37.583 37.814 38.048 38.276 38.510 38.736 38.964	27.664 27.671 27.678 27.685 27.695 27.695 27.698 27.705 27.706	51.0 50.4 49.7 49.1 48.7 48.7 47.9 47.2 47.2	21.567 21.820 22.070 22.317 22.562 22.803 23.043 23.281 23.517 23.753	89.4 89.4 89.4 89.4 89.4 89.4 89.4	1491.2 1491.9 1492.6 1493.2 1493.9 1494.6 1495.3 1496.0 1496.8 1497.5	28272.7 29340.1 30419.7 31511.2 32614.5 33729.5 34856.1 35994.2 37143.6 38304.3	.2 9 1.4 .9 3.6 2 1.6
2500.0 2550.0 2650.0 2700.0 2750.0 2800.0 2850.0 2900.0	2470.3 2519.4 2568.5 2617.6 2666.6 2715.6 2764.7 2813.7 2862.7 2911.7	1.788 1.759 1.733 1.714 1.673 1.664 1.655 1.631 1.610	1.612 1.579 1.548 1.525 1.481 1.467 1.454 1.425 1.400 1.385	34.654 34.657 34.659 34.660 34.664 34.665 34.666 34.668 34.670 34.672	27.725 27.729 27.733 27.736 27.742 27.744 27.745 27.745 27.749 27.755	39.190 39.420 39.648 39.875 40.106 40.331 40.554 40.782 41.009 41.234	27.711 27.716 27.719 27.722 27.728 27.729 27.730 27.734 27.737 27.740	46.9 46.5 46.2 46.0 45.4 45.4 45.7 44.6	23.987 24.221 24.453 24.683 24.912 25.139 25.366 25.591 25.815 26.038	89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4	1498.3 1499.0 1499.8 1500.5 1501.2 1502.0 1502.8 1503.6 1504.3 1505.1	39476.3 40659.6 41854.0 43059.5 44275.9 45503.3 46741.5 47990.5 49250.2 50520.6	9 .3 .4 2.2 .5 2.3 2.0 2.4 2.1
3000.0 3042.0	2960.7 3001.8	1.579 1.567	1.360 1.344	34.674 34.674	27.758 27.760	41.459 41.648	27.742 27.744	44.4 44.2	26.261 26.446	89.4 89.4	1505.9 1506.6	51801.6 52885.8	3.4

Station	9	Latitude	32. 13.	89'N	Longit	ıde 127°	09.83'W	22	Aug 1989	GMT 14	1:41	Bottom	3000 m
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	10.0 19.9 29.9 39.9 49.8 59.8 69.8 79.8	19.002 19.000 19.000 18.901 18.899 18.650 18.308 17.422 15.270	19.002 18.998 18.997 18.896 18.892 18.641 18.298 17.411 15.258 15.041	33.465 33.465 33.454 33.454 33.419 33.396 33.290 33.378	23.849 23.850 23.851 23.867 23.868 23.999 24.187 24.598 24.714	23.849 23.893 23.937 23.997 24.042 24.122 24.260 24.260 24.951 25.111	23.849 23.850 23.866 23.867 23.996 24.185 24.596 24.711	404.4 404.7 405.0 403.8 404.0 400.9 392.3 374.5 335.4 324.7	.000 .405 .809 1.214 1.618 2.021 2.418 2.802 3.148 3.477	89.3 89.4 89.3 89.3 89.3 89.2 89.2	1517.5 1517.7 1517.9 1517.7 1517.9 1517.3 1516.5 1514.0 1507.5 1507.0	.0 2.0 8.1 18.2 32.3 50.4 72.5 98.6 128.2 161.2	3.6 1.1 14.3 1.1 78.4 143.6 584.4 84.0 127.6
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3	14.424 13.545 12.726 12.877 12.476 11.812 11.465 11.002 10.553 10.347	14.410 13.530 12.710 12.859 12.458 11.793 11.445 10.981 10.532 10.325	33.443 33.350 33.235 33.355 33.371 33.358 33.435 33.433 33.496 33.545	24.899 25.010 25.083 25.147 25.237 25.353 25.477 25.559 25.688 25.761	25.341 25.498 25.618 25.726 25.862 26.024 26.194 26.322 26.497 26.616	24.896 25.007 25.080 25.144 25.234 25.349 25.474 25.684 25.757	307.3 296.9 290.0 284.2 275.8 264.9 253.2 253.4 226.6	3.794 4.099 4.393 4.680 4.959 5.231 5.488 5.977 6.206	89.4 89.6 89.8 89.8 89.9 90.0 90.0	1505.3 1502.4 1499.7 1500.5 1499.3 1497.2 1496.2 1494.8 1493.4 1492.9	197.4 236.7 279.0 324.2 372.1 422.9 476.2 532.0 590.3 650.9	219.1 225.1 105.5 32.3 69.5 159.8 74.3 115.8 123.6 45.7
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.1 229.0 238.9 258.8 268.7 278.7 288.6	10.136 9.626 9.568 9.227 9.036 8.751 8.613 8.419 8.332 8.215	10.113 9.603 9.543 9.202 9.011 8.725 8.586 8.391 8.304 8.186	33.615 33.687 33.695 33.757 33.861 33.861 33.894 33.937 33.951 33.971	25.852 25.993 26.010 26.113 26.175 26.270 26.317 26.381 26.405 26.438	26.753 26.941 27.003 27.153 27.261 27.403 27.496 27.605 27.675 27.754	25.848 25.989 26.006 26.171 26.266 26.313 26.377 26.401 26.434	218.1 204.7 203.3 193.6 187.8 178.9 174.5 168.6 166.4 163.4	6.427 6.638 6.842 7.041 7.232 7.415 7.592 7.764 7.931 8.096	90.0 90.0 90.0 89.9 89.9 89.9 89.9	1492.4 1490.7 1489.7 1489.2 1488.4 1488.0 1487.5 1487.4 1487.1	713.7 778.6 845.6 914.6 985.6 1058.4 1132.9 1209.2 1287.2 1366.8	102.7 53.5 8.9 5.4 156.4 12.9 79.9 60.9 34.2 62.0
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.3 348.2 358.1 368.0 378.0 387.9	8.018 7.905 7.716 7.514 7.335 7.074 6.937 6.833 6.774 6.676	7.988 7.874 7.684 7.482 7.302 7.041 6.903 6.799 6.740 6.640	33.991 33.998 34.005 34.012 34.014 34.014 34.015 34.019 34.023	26.483 26.506 26.539 26.573 26.600 26.637 26.655 26.655 26.681 26.698	27.846 27.915 27.994 28.076 28.149 28.233 28.299 28.361 28.417 28.480	26.479 26.502 26.534 26.569 26.595 26.632 26.651 26.666 26.677 26.693	159.2 157.1 154.1 150.8 148.4 144.8 143.1 141.7 140.8 139.3	8.257 8.415 8.571 8.723 8.873 9.019 9.164 9.306 9.448 9.588	89.8 89.9 89.8 89.8 89.8 89.8 89.8	1486.6 1486.3 1485.1 1485.1 1483.7 1483.4 1483.1 1482.8	1448.0 1530.8 1615.1 1701.0 1788.3 1877.2 1967.4 2059.1 2152.2 2246.7	24.8 27.7 14.8 39.4 20.9 26.1 29.3 23.1 22.0 25.2
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.8 407.7 417.7 427.6 437.5 447.4 457.4 467.3 477.2 487.1	6.610 6.437 6.409 6.974 5.845 5.767 5.687 5.554	6.574 6.400 6.372 6.007 5.936 5.806 5.728 5.648 5.587 5.514	34.029 34.031 34.054 34.025 34.030 34.037 34.044 34.048 34.052 34.060	26.711 26.736 26.758 26.782 26.794 26.816 26.831 26.831 26.855 26.870	28.540 28.612 28.679 28.752 28.811 28.880 28.942 29.001 29.058 29.120	26.706 26.732 26.753 26.777 26.789 26.811 26.826 26.840 26.850 26.865	138.2 135.8 133.9 131.4 130.3 128.2 126.8 125.6 124.7 123.3	9.726 9.863 9.999 10.132 10.262 10.391 10.519 10.645 10.770 10.893	89.8 89.8 89.8 89.8 89.8 89.8 89.8	1482.8 1482.2 1482.3 1481.0 1480.9 1480.5 1480.4 1480.2 1480.1 1480.0	2342.5 2439.7 2538.3 2638.2 2739.3 2841.8 2945.5 3050.5 3156.7 3264.2	6.7 20.2 19.0 18.3 -1.0 22.7 13.6 9.2 6.0 5.4
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0	497.0 507.0 516.9 526.8 536.7 546.6 556.5 566.5 576.4	5.490 5.447 5.370 5.289 5.231 5.112 5.133 5.086 4.956 4.944	5.448 5.405 5.327 5.246 5.187 5.068 5.088 5.041 4.909	34.066 34.073 34.087 34.094 34.109 34.112 34.148 34.148 34.141 34.160	26.882 26.893 26.914 26.928 26.947 26.963 26.985 26.995 27.005	29.179 29.236 29.303 29.365 29.430 29.493 29.560 29.617 29.736	26.877 26.889 26.909 26.924 26.942 26.958 26.979 26.990 27.000 27.016	122.2 121.2 119.4 118.0 116.3 114.7 112.9 111.9 111.0 109.5	11.016 11.138 11.258 11.377 11.495 11.610 11.724 11.836 11.948 12.058	89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8	1479.9 1479.8 1479.6 1479.6 1479.6 1479.5 1479.5 1479.2	3372.8 3482.7 3593.8 3706.0 3819.4 3934.0 4049.7 4166.4 4284.3 4403.3	6.3 10.4 4.2 16.2 29.7 20.9 14.1 6.2 -3.2 17.4
600.0 610.0 620.0 630.0 640.0 650.0 660.0 680.0	596.2 606.1 616.0 625.9 635.8 645.7 655.6 675.5 685.4	4.805 4.757 4.684 4.6649 4.512 4.508 4.491 4.446 4.427	4.758 4.710 4.636 4.611 4.500 4.462 4.457 4.394 4.374	34.163 34.178 34.199 34.209 34.215 34.224 34.238 34.248 34.251 34.258	27.039 27.056 27.081 27.092 27.109 27.120 27.132 27.141 27.149 27.157	29.802 29.865 29.937 29.995 30.059 30.116 30.174 30.229 30.283 30.337	27.034 27.051 27.076 27.087 27.104 27.115 27.127 27.127 27.136 27.144 27.151	107.7 106.2 103.8 102.8 101.2 100.2 99.2 98.4 97.7 97.1	12.166 12.273 12.378 12.481 12.583 12.684 12.784 12.882 12.981 13.078	89.8 89.8 89.8 89.8 89.8 89.8 89.8	1478.9 1478.8 1478.8 1478.6 1478.6 1478.6 1478.7 1478.8 1478.8	4523.4 4644.5 4766.7 4889.9 5014.1 5139.3 5265.5 5392.6 5520.7 5649.8	14.4 17.9 17.9 13.2 15.6 16.1 6.5 7.4 1.5
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.7 764.6 774.5 784.4	4.425 4.439 4.426 4.425 4.445 4.432 4.432 4.368 4.338	4.371 4.385 4.371 4.371 4.388 4.390 4.373 4.344 4.308 4.278	34.273 34.292 34.313 34.335 34.349 34.365 34.370 34.376 34.384 34.391	27.169 27.182 27.200 27.218 27.227 27.240 27.246 27.253 27.264 27.272	30.395 30.454 30.518 30.581 30.636 30.694 30.745 30.799 30.857 30.911	27.163 27.177 27.195 27.212 27.221 27.234 27.240 27.247 27.258 27.266	96.0 94.9 93.3 91.7 91.0 89.5 88.8 87.8	13.175 13.270 13.364 13.456 13.548 13.638 13.728 13.817 13.906 13.993	89.8 89.8 89.8 89.8 89.7 89.8 89.8	1479.1 1479.4 1479.5 1479.7 1479.9 1480.1 1480.2 1480.3 1480.3	5779.9 5910.8 6042.8 6175.6 6309.3 6443.9 6579.5 6715.8 6853.1 6991.2	15.9 13.3 23.8 8.0 3.3 11.3 3.6 15.1 4.2
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 8453.7 863.6 873.5 883.4	4.316 4.276 4.265 4.246 4.208 4.177 4.109 4.103 4.095 4.077	4.255 4.202 4.183 4.144 4.113 4.044 4.037 4.029 4.010	34.400 34.407 34.412 34.417 34.426 34.428 34.428 34.432 34.437	27.282 27.292 27.298 27.303 27.312 27.318 27.327 27.330 27.335 27.339	30.967 31.023 31.074 31.126 31.181 31.233 31.289 31.339 31.389 31.438	27.276 27.286 27.291 27.296 27.305 27.311 27.320 27.324 27.328 27.331	86.2 85.3 84.9 84.5 83.7 83.1 82.2 82.0 81.6	14.080 14.166 14.251 14.335 14.420 14.503 14.586 14.668 14.750 14.832	89.7 89.8 89.8 89.7 89.7 89.7 89.8	1480.5 1480.6 1480.7 1480.7 1480.7 1480.6 1480.8 1480.9 1481.0	7130.2 7270.0 7410.7 7552.2 7694.5 7837.7 7981.6 8126.4 8272.0 8418.3	12.4 7.8 1.3 4.3 11.0 8.9 3.1 4.0 5.2
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0 990.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.6 972.5 982.3	4.041 4.013 3.990 3.982 3.958 3.921 3.879 3.841 3.808 3.795	3.973 3.945 3.921 3.912 3.887 3.849 3.769 3.736 3.722	34.438 34.444 34.448 34.451 34.457 34.460 34.463 34.469 34.469	27.342 27.350 27.355 27.359 27.362 27.370 27.376 27.383 27.391 27.394	31.488 31.542 31.594 31.643 31.694 31.747 31.800 31.853 31.908 31.957	27.335 27.343 27.348 27.355 27.355 27.363 27.369 27.375 27.383 27.383	81.1 80.4 79.9 79.6 79.3 78.6 77.4 76.7	14.913 14.993 15.073 15.153 15.233 15.312 15.390 15.468 15.545 15.621	89.7 89.8 89.7 89.7 89.7 89.7 89.7 89.7	1481.0 1481.1 1481.3 1481.3 1481.4 1481.4 1481.4 1481.4	8565.5 8713.5 8862.2 9011.8 9162.1 9313.2 9465.0 9617.7 9771.1 9925.2	1.9 4.6 3.4 9.9 6.3 7.2 11.6 8.7

Station	9	Latitude	32° 13.	.89'N	Longit	ude 127°	09.83'W	22	2 Aug 198	GMT 1	4:41	Bottom	3000 m
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-6 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht g J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1120.0 1140.0 1160.0 1180.0	992.2 1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.7 1150.4 1170.2	3.777 3.720 3.663 3.607 3.579 3.533 3.492 3.422 3.376 3.334	3.703 3.645 3.587 3.529 3.500 3.453 3.411 3.339 3.292 3.249	34.475 34.486 34.493 34.498 34.504 34.513 34.513 34.519	27.399 27.410 27.419 27.431 27.437 27.455 27.465 27.474 27.479	32.008 32.111 32.214 32.318 32.416 32.518 32.618 32.721 32.823 32.921	27.391 27.402 27.412 27.423 27.429 27.439 27.447 27.457 27.466 27.471	76.1 75.0 74.2 73.2 72.7 71.8 71.1 70.1 69.3 68.8	15.698 15.848 15.998 16.145 16.291 16.435 16.578 16.719 16.859 16.997	89.7 89.7 89.8 89.7 89.7 89.7 89.7 89.7	1481.6 1481.8 1481.9 1482.1 1482.3 1482.4 1482.6 1482.6	10080.1 10080.1 10707.0 11024.8 11345.5 11669.0 11995.3 12324.5 12656.3 12990.9	8.1 2.6 4.3 5.8 4.6 6.1 8.2 6.7 2.0
1200.0 1220.0 1240.0 1260.0 1300.0 1300.0 1340.0 1360.0	1189.9 1209.7 1229.5 1249.2 1269.0 1268.7 1308.5 1328.2 1348.0 1367.7	3.298 3.244 3.204 3.157 3.138 3.087 3.057 3.044 3.023 2.986	3.212 3.157 3.115 3.067 3.047 2.994 2.994 2.927 2.888	34.525 34.530 34.535 34.539 34.541 34.546 34.549 34.550 34.550	27.486 27.496 27.511 27.514 27.523 27.523 27.530 27.530 27.533 27.539	33.019 33.121 33.221 33.322 33.417 33.518 33.613 33.708 33.803 33.902	27.478 27.487 27.495 27.502 27.506 27.514 27.517 27.521 27.524 27.530	68.3 66.7 66.7 65.7 65.7 64.5 64.2 63.6	17.134 17.269 17.403 17.536 17.668 17.799 17.928 18.058 18.186 18.314	89.6 89.7 89.7 89.7 89.7 89.6 89.7 89.6	1482.9 1483.0 1483.2 1483.6 1483.7 1483.7 1484.2 1484.4	13328.1 13668.0 14010.5 14355.6 14703.3 15053.6 15406.4 15761.7 16119.6 16479.9	12.6 7.0 7.6 1.5 9 6.5 1.8 2.7 1.0 7.1
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.4 1407.2 1426.9 1446.7 1466.4 1486.1 1505.9 1525.6 1545.3 1565.0	2.942 2.908 2.868 2.823 2.778 2.744 2.719 2.680 2.652 2.612	2.843 2.807 2.766 2.720 2.674 2.639 2.612 2.572 2.543 2.502	34.554 34.561 34.565 34.568 34.571 34.573 34.578 34.578	27.554 27.558 27.558 27.570 27.575 27.579 27.585 27.589 27.596	33.998 34.098 34.197 34.295 34.393 34.491 34.586 34.685 34.781 34.880	27.535 27.543 27.554 27.5560 27.566 27.570 27.575 27.580 27.586	63.2 62.5 61.4 60.7 60.3 59.9 59.3 59.0 58.3	18.441 18.566 18.691 18.814 18.937 19.058 19.178 19.297 19.415 19.533	89.7 89.6 89.7 89.7 89.7 89.7 89.7 89.7	1484.8 1485.0 1485.1 1485.3 1485.6 1485.8 1486.0 1486.2 1486.4	16842.7 17208.0 17575.7 17945.8 18318.3 18693.1 19070.3 19449.8 19831.7 20215.8	1.0 3.0 5.4 3.9 4.5 5.7 3.7 -1.0 1.1 3.1
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.5 1624.2 1643.9 1663.6 1683.3 1703.1 1722.8 1742.5 1762.2	2.585 2.552 2.517 2.492 2.462 2.432 2.415 2.375 2.337 2.317	2.473 2.439 2.404 2.377 2.345 2.314 2.296 2.255 2.216 2.194	34.584 34.587 34.590 34.592 34.594 34.598 34.602 34.605 34.606	27.600 27.605 27.611 27.614 27.623 27.623 27.626 27.632 27.638 27.640	34.975 35.072 35.170 35.266 35.362 35.458 35.552 35.651 35.749 35.842	27.590 27.595 27.601 27.605 27.609 27.613 27.616 27.622 27.628 27.630	58.0 57.9 56.6 55.7 55.7 55.9 54.3 54.1	19.649 19.764 19.879 19.992 20.105 20.217 20.329 20.439 20.548 20.657	89.7 89.6 89.6 89.7 89.6 89.6 89.6	1486.6 1486.8 1487.0 1487.2 1487.4 1487.6 1487.9 1488.0 1488.2 1488.5	20602.2 20990.8 21381.6 21774.7 22170.0 22567.4 22967.0 23368.8 23772.6 24178.6	5.8 7.5 5.8 -1.5 7.3 5.0 1.5 2.7 1.8
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1920.0 1940.0 1960.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1919.8 1939.4 1959.1	2.302 2.282 2.242 2.214 2.196 2.183 2.165 2.142 2.124 2.104	2.177 2.156 2.115 2.086 2.067 2.052 2.032 2.009 1.989 1.967	34.608 34.610 34.613 34.616 34.617 34.618 34.620 34.622 34.624 34.625	27.643 27.647 27.653 27.660 27.661 27.665 27.668 27.668 27.671	35.936 36.031 36.129 36.225 36.319 36.412 36.506 36.601 36.695 36.789	27.633 27.636 27.642 27.646 27.651 27.651 27.657 27.661 27.663	53.9 53.5 52.9 52.5 52.3 52.2 51.6 51.2 51.0	20.765 20.872 20.979 21.084 21.189 21.294 21.397 21.501 21.604 21.706	89.6 89.7 89.6 89.7 89.6 89.7 89.7	1488.7 1489.0 1489.2 1489.4 1489.6 1489.9 1490.2 1490.4 1490.7 1490.9	24586.7 24996.8 25409.1 25823.3 26239.6 26657.9 27078.3 27500.6 27924.9 28351.2	.9 4.2 1.5 8 2.4 5.4 1.6 4
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2350.0 2400.0 2450.0	1978.8 2028.0 2077.2 2126.4 2175.6 2224.7 2273.9 2323.0 2372.1 2421.2	2.088 2.036 1.997 1.967 1.948 1.915 1.893 1.867 1.837	1.950 1.894 1.852 1.817 1.795 1.758 1.732 1.702 1.669 1.629	34.626 34.631 34.635 34.638 34.639 34.643 34.649 34.651 34.651	27.676 27.684 27.691 27.696 27.698 27.705 27.709 27.713 27.718 27.723	36.882 37.118 37.352 37.583 37.811 38.044 38.273 38.503 38.733 38.964	27.665 27.674 27.680 27.684 27.687 27.693 27.696 27.701 27.705 27.710	50.9 50.0 49.5 49.1 49.0 48.4 48.2 47.8 47.4	21.808 22.059 22.308 22.555 22.799 23.043 23.285 23.525 23.763 23.999	89.6 89.7 89.7 89.7 89.7 89.7 89.7	1491.2 1491.8 1492.5 1493.2 1493.9 1494.6 1495.4 1496.1 1496.8 1497.5	28779.5 29858.7 30950.0 32053.2 33168.1 34294.9 35433.3 36583.3 36583.3 38917.6	1.4 1 2.3 -1.2 .9 1.3 1.3 1.7 5.2
2500.0 2550.0 2600.0 2700.0 2750.0 2750.0 2800.0 2850.0 2900.0	2470.3 2519.4 2568.5 2617.6 2666.6 2715.6 2764.7 2813.7 2862.7 2911.7	1.788 1.759 1.747 1.724 1.713 1.703 1.692 1.661 1.650	1.612 1.578 1.562 1.535 1.519 1.505 1.490 1.455 1.439	34.655 34.658 34.658 34.660 34.661 34.662 34.663 34.666 34.667 34.668	27.725 27.730 27.731 27.735 27.737 27.739 27.741 27.746 27.748 27.749	39.191 39.420 39.645 39.873 40.098 40.323 40.548 40.776 41.001 41.224	27.712 27.716 27.718 27.721 27.722 27.724 27.726 27.730 27.732 27.733	46.9 46.4 46.2 46.1 46.1 45.5 45.5	24.233 24.467 24.699 24.931 25.162 25.392 25.622 25.851 26.079 26.306	89.6 89.6 89.6 89.6 89.6 89.6 89.6	1498.3 1499.0 1499.8 1500.6 1501.4 1502.2 1503.0 1503.7 1504.5 1505.3	40101.7 41297.0 42503.5 43721.1 44949.7 46189.4 47440.1 48701.8 49974.3 51257.7	9 .3 2 .7 .5 2.3 6 1.2
3000.0 3050.0 3100.0 3150.0 3200.0 3246.0	2960.7 3009.7 3058.6 3107.6 3156.5 3201.6	1.613 1.600 1.588 1.566 1.557	1.394 1.376 1.359 1.333 1.319	34.671 34.672 34.674 34.676 34.677 34.677	27.754 27.756 27.758 27.762 27.764 27.764	41.452 41.676 41.900 42.126 42.349 42.552	27.738 27.740 27.742 27.745 27.747 27.747	45.0 44.9 44.8 44.4 44.4	26.980 27.203 27.426	89.7 89.5 89.6 89.6 89.6	1506.0 1506.8 1507.6 1508.4 1509.2 1510.0	52551.9 53856.8 55172.5 56498.7 57835.6 59074.9	1.3 -1.0 3.2 -1.2 2.4

Station	11	Latitude	32. 17.6	38'N	Longitu	de 127°	19.83'W	22	Aug 1989	GMT 18	3:51	Bottom	
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	.0 10.0 19.9 29.9 39.8 59.8 69.8 79.7	19.009 18.988 18.972 18.922 18.899 18.440 17.719 16.207 15.007	19.009 18.986 18.968 18.916 18.892 18.431 17.709 16.196 14.995	33.445 33.447 33.456 33.462 33.435 33.435 33.395 33.299 33.427	23.833 23.834 23.864 23.874 23.969 24.115 24.572 24.572 24.784	23.833 23.882 23.931 23.994 24.048 24.186 24.377 24.879 25.016 25.181	23.833 23.839 23.843 23.862 23.873 23.966 24.113 24.570 24.660 24.781	406.0 405.7 405.6 404.1 403.5 394.8 381.1 337.7 329.2 318.1	.000 .406 .812 1.216 1.620 2.020 2.406 2.762 3.095 3.420	89.7 89.6 89.6 89.4 89.4 89.4 89.6	1517.5 1517.6 1517.8 1517.9 1516.7 1514.7 1510.5 1506.6	.0 2.0 8.1 18.2 32.3 50.5 72.6 98.3 127.5 160.0	.0 4.9 3.7 5.3 51.2 145.4 220.2 189.6 51.1 38.5
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	14.689 14.397 14.153 13.840 12.348 11.950 11.525 10.706 10.327	14.674 14.381 14.135 13.822 12.974 12.328 11.929 11.504 10.684 10.305	33.475 33.465 33.514 33.472 33.417 33.442 33.463 33.503 33.588	24.868 24.933 24.974 25.076 25.215 25.298 25.393 25.488 25.666 25.798	25.309 25.419 25.505 25.652 25.838 25.967 26.108 26.249 26.475 26.653	24.865 24.930 24.970 25.072 25.211 25.294 25.389 25.484 25.663 25.794	310.3 304.3 300.7 291.2 278.0 270.2 261.3 252.5 235.5 223.0	3.735 4.042 4.345 4.640 4.923 5.197 5.463 5.719 5.962 6.192	89.7 89.6 89.5 89.9 90.0 90.2 90.3 90.3	1506.1 1505.4 1504.7 1503.9 1501.2 1497.9 1497.9 1496.6 1493.9	195.6 234.3 276.1 320.8 368.4 418.8 471.8 527.4 585.5 646.0	119.0 23.5 144.4 168.1 62.8 55.1 133.2 105.3 11.8 128.0
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.0 229.0 238.9 248.9 258.8 268.7 278.7 288.6	9.941 9.709 9.287 9.058 8.917 8.581 8.364 8.302 8.048 7.963	9.918 9.686 9.263 9.033 8.892 8.555 8.338 8.274 8.019	33.634 33.716 33.804 33.857 33.896 33.919 33.947 33.960 33.974 33.976	25.899 26.002 26.140 26.218 26.271 26.342 26.397 26.416 26.466 26.480	26.801 26.949 27.134 27.259 27.357 27.475 27.576 27.642 27.738 27.798	25.895 25.998 26.136 26.214 26.267 26.338 26.392 26.412 26.461 26.476	213.5 203.9 190.9 183.5 178.7 172.0 166.9 165.2 160.5 159.3	6.411 6.619 6.816 7.002 7.183 7.359 7.528 7.694 7.857 8.017	90.4 90.4 90.4 90.4 90.3 90.3 90.3	1491.7 1491.1 1489.8 1489.2 1488.9 1487.2 1487.2 1486.3 1486.3	708.6 773.4 840.2 908.8 979.3 1051.6 1125.5 1201.1 1278.4 1357.2	117.3 158.0 136.6 55.4 42.8 98.7 15.8 18.7 58.2 14.8
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.2 358.1 358.1 368.0 378.0 387.9	7.840 7.677 7.681 7.389 7.265 7.011 6.846 6.764 6.529	7.810 7.647 7.650 7.358 7.232 6.978 6.813 6.730 6.640 6.494	33.989 33.995 34.012 34.010 34.012 34.006 34.003 34.004 34.003 34.005	26.508 26.537 26.549 26.590 26.608 26.639 26.659 26.6671 26.682 26.703	27.872 27.947 28.005 28.093 28.158 28.237 28.303 28.361 28.419 28.487	26.504 26.532 26.545 26.604 26.635 26.654 26.666 26.678 26.699	156.7 154.1 153.1 149.2 147.5 144.5 142.7 142.7 140.7 138.7	8.175 8.330 8.483 8.634 8.782 8.928 9.072 9.215 9.356 9.495	90.3 90.3 90.2 90.2 90.2 90.2 90.2 90.1	1485.9 1485.4 1485.6 1484.6 1484.3 1483.5 1483.0 1482.8 1482.6 1482.2	1437.6 1519.6 1603.1 1688.1 1774.5 1862.5 1951.8 2042.6 2134.7 2228.3	45.9 6.6 47.6 26.2 18.5 12.6 11.4 9.7 16.7 35.4
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.3 477.2 487.1	6.405 6.329 6.203 6.064 5.997 5.829 5.862 5.7662	6.370 6.292 6.167 6.027 5.959 5.901 5.827 5.782 5.704 5.621	34.009 34.011 34.017 34.027 34.028 34.033 34.039 34.045 34.046 34.047	26.722 26.734 26.755 26.781 26.790 26.801 26.815 26.826 26.836 26.847	28.553 28.611 28.679 28.751 28.806 28.864 28.925 28.925 29.038 29.096	26.718 26.729 26.750 26.776 26.785 26.796 26.810 26.821 26.831 26.842	136.9 135.9 133.9 131.5 130.7 129.7 128.5 127.5 126.6 125.6	9.633 9.769 9.904 10.037 10.168 10.298 10.427 10.555 10.682 10.809	90.2 90.1 90.1 90.1 90.1 90.1 90.1 90.2 90.1	1481.9 1481.8 1481.4 1481.1 1480.9 1480.8 1480.8 1480.6 1480.4	2323.2 2419.5 2517.1 2616.1 2716.3 2817.9 2920.7 3024.8 3130.1 3236.7	16.0 14.3 26.9 27.4 5.4 18.9 8.4 8.7 14.5
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.9 526.8 536.7 546.6 556.5 566.4 578.3	5.577 5.501 5.388 5.321 5.259 5.178 5.133 5.066 4.997	5.535 5.458 5.345 5.278 5.215 5.134 5.087 5.021 4.866	34.054 34.057 34.063 34.069 34.076 34.089 34.096 34.111 34.130 34.142	26.863 26.874 26.892 26.905 26.918 26.938 26.948 26.968 26.968 27.010	29.158 29.216 29.281 29.341 29.400 29.467 29.524 29.590 29.660 29.726	26.857 26.869 26.887 26.900 26.913 26.943 26.943 26.963 26.986 27.006	124.2 123.1 121.4 120.2 119.0 117.2 116.3 114.4 112.3 110.4	10.934 11.057 11.180 11.300 11.420 11.538 11.655 11.770 11.884 11.995	90.1 90.1 90.2 90.1 90.1 90.1 90.1 90.1 90.1	1480.3 1480.1 1479.8 1479.7 1479.7 1479.5 1479.5 1479.4 1479.3	3344.5 3453.6 3563.9 3675.3 3788.0 3901.8 4016.8 4132.9 4250.2 4368.6	26.8 9.2 25.6 10.9 11.8 8.6 36.4 10.9 13.3 27.3
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.7 655.5 675.5 685.4	4.845 4.796 4.767 4.714 4.632 4.599 4.5991 4.489	4.798 4.748 4.719 4.665 4.626 4.582 4.548 4.539 4.499 4.436	34.152 34.157 34.164 34.174 34.182 34.192 34.198 34.215 34.225 34.238	27.026 27.035 27.045 27.058 27.069 27.082 27.090 27.105 27.117 27.134	29.788 29.844 29.899 29.960 30.016 30.076 30.131 30.191 30.250 30.313	27.021 27.030 27.039 27.053 27.063 27.076 27.085 27.099 27.112 27.128	109.0 108.2 107.4 106.1 105.2 104.0 103.2 100.9 99.3	12.105 12.213 12.321 12.428 12.534 12.638 12.742 12.844 12.946 13.046	90.1 90.2 90.1 90.2 90.1 90.2 90.1 90.2 90.1	1479.0 1479.0 1479.1 1479.0 1479.0 1479.0 1479.1 1479.2 1479.2	4488.0 4608.6 4730.1 4852.8 4976.5 5101.2 5227.0 5353.7 5481.5 5610.3	3.6 3.9 8.3 11.5 12.1 10.0 11.2 10.0 22.3
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5 784.4	4.437 4.427 4.391 4.356 4.323 4.289 4.248 4.231 4.189 4.171	4.384 4.373 4.337 4.300 4.267 4.232 4.191 4.173 4.131 4.112	34.252 34.264 34.275 34.289 34.296 34.308 34.313 34.324 34.329	27.151 27.154 27.166 27.178 27.192 27.202 27.202 27.215 27.222 27.235 27.241	30.377 30.427 30.484 30.543 30.603 30.659 30.719 30.771 30.831 30.883	27.145 27.149 27.160 27.172 27.187 27.196 27.209 27.215 27.229 27.234	97.7 97.5 96.5 95.3 94.0 93.2 92.0 91.4 90.2 89.7	13.144 13.242 13.339 13.434 13.529 13.623 13.715 13.807 13.898 13.987	90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1	1479.1 1479.3 1479.3 1479.3 1479.4 1479.4 1479.4 1479.5 1479.5	5740.0 5870.7 6002.3 6134.9 6268.5 6402.9 6538.3 6674.6 6811.8 6949.8	5.9 27.3 4.5 14.4 10.3 10.3 25.6 20.0 10.3 4.5
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.7 863.6 873.5 883.4	4.161 4.126 4.083 4.058 4.036 4.023 3.992 3.973 3.956 3.947	4.101 4.065 4.022 3.996 3.974 3.960 3.928 3.908 3.891 3.881	34.334 34.342 34.355 34.360 34.366 34.376 34.379 34.388 34.393	27.246 27.256 27.271 27.277 27.285 27.294 27.299 27.309 27.315 27.318	30.934 30.990 31.052 31.104 31.158 31.213 31.265 31.320 31.372 31.422	27.240 27.250 27.264 27.271 27.278 27.287 27.287 27.293 27.302 27.308 27.312	89.3 88.4 87.0 86.5 85.8 85.1 84.6 83.7 83.2	14.077 14.166 14.254 14.340 14.427 14.512 14.597 14.681 14.764 14.847	90.1 90.1 90.1 90.1 90.1 90.1 90.0 90.1	1479.7 1479.8 1479.8 1479.9 1480.0 1480.1 1480.2 1480.3 1480.4	7088.8 7228.6 7369.2 7510.8 7653.2 7796.4 7940.5 8085.3 8231.1 8377.6	4.8 7.4 12.1 7.1 5.7 9.5 10.1 4.5 3.4
900.0 910.0 920.0 930.0 940.0 950.0 970.0 980.0 990.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.6 972.5 982.3	3.929 3.905 3.851 3.842 3.810 3.783 3.761 3.728 3.710 3.702	3.862 3.837 3.783 3.773 3.713 3.690 3.657 3.638 3.629	34.403 34.410 34.421 34.421 34.423 34.431 34.435 34.442 34.448	27.326 27.333 27.344 27.349 27.356 27.362 27.368 27.368 27.368 27.368 27.384	31.475 31.529 31.587 31.637 31.691 31.743 31.795 31.850 31.903 31.952	27.319 27.326 27.337 27.342 27.355 27.361 27.369 27.376 27.379	82.3 81.6 80.6 80.2 79.6 79.5 77.7 77.1	14.930 15.012 15.093 15.174 15.253 15.333 15.411 15.490 15.567 15.644	90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.0 90.1	1480.5 1480.6 1480.5 1480.7 1480.7 1480.8 1480.9 1480.9	8524.9 8673.1 8822.0 8971.7 9122.3 9273.6 9425.6 9578.5 9732.1 9886.4	14.8 3.7 7.8 7.8 5.1 7.2 5.4 1.1 3.7

Station	11	Latitude	32° 17.	88'N	Longit	ude 127°	19.83'W	22	Aug 1989	GMT 1	8:51	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-θ kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0 1180.0	992.2 1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.6 1150.4 1170.2	3.672 3.640 3.591 3.544 3.509 3.500 3.440 3.395 3.382 3.348	3.599 3.566 3.515 3.467 3.421 3.359 3.313 3.298 3.263	34.456 34.467 34.473 34.481 34.487 34.504 34.510 34.512 34.515	27.494 27.416 27.427 27.435 27.435 27.455 27.465 27.467 27.473	32.006 32.110 32.212 32.316 32.416 32.516 32.520 32.722 32.816 32.914	27.387 27.399 27.409 27.419 27.428 27.436 27.448 27.456 27.459 27.465	76.2 75.2 74.3 73.3 72.6 71.9 70.9 70.1 69.9	15.720 15.872 16.021 16.169 16.315 16.459 16.602 16.743 16.883 17.022	90.1 90.0 90.0 90.0 90.0 90.0 90.1 90.0	1481.1 1481.5 1481.6 1481.8 1482.1 1482.2 1482.3 1482.8	10041.5 10354.0 10669.4 10987.7 11308.8 11632.8 11959.6 12289.2 12621.5 12956.6	6.3 7.2 2.5 5.5 2.6 2.6 2.1 2.1 2.1
1200.0 1220.0 1240.0 1260.0 1300.0 1300.0 1340.0 1360.0	1189.9 1209.7 1229.4 1249.2 1269.0 1288.7 1308.5 1328.2 1348.0 1367.7	3.299 3.241 3.220 3.173 3.137 3.106 3.064 3.003 2.980 2.943	3.213 3.154 3.131 3.083 3.046 3.013 2.970 2.908 2.884 2.845	34.520 34.525 34.527 34.533 34.535 34.544 34.548 34.553 34.555	27.482 27.492 27.505 27.505 27.520 27.527 27.537 27.541 27.546	33.016 33.118 33.213 33.315 33.413 33.514 33.613 33.716 33.812 33.910	27.474 27.484 27.496 27.502 27.511 27.518 27.528 27.532 27.538	68.6 67.7 67.4 66.6 66.1 65.3 64.7 63.7 63.4	17.161 17.297 17.432 17.566 17.698 17.830 17.960 18.088 18.215 18.342	90.0 90.0 90.0 90.0 90.0 90.0 90.0	1482.9 1483.0 1483.3 1483.6 1483.8 1484.0 1484.0 1484.3 1484.4	13294.3 13634.8 13977.9 14323.6 14671.8 15022.7 15376.1 15732.1 16090.5 16451.4	5.3 1.2 3.8 9.1 4.7 3.0 16.8 8.3 2.1
1400.0 1420.0 1440.0 1460.0 1500.0 1500.0 1540.0 1560.0 1580.0	1387.4 1407.2 1426.9 1446.7 1466.4 1505.8 1525.6 1545.3 1565.0	2.894 2.856 2.845 2.818 2.777 2.755 2.710 2.678 2.653 2.629	2.795 2.756 2.743 2.715 2.673 2.650 2.604 2.570 2.544 2.519	34.563 34.565 34.568 34.570 34.571 34.575 34.578 34.579 34.581	27.555 27.560 27.561 27.566 27.571 27.574 27.581 27.586 27.590 27.593	34.011 34.108 34.201 34.297 34.395 34.489 34.589 34.686 34.782 34.876	27.546 27.551 27.552 27.556 27.565 27.565 27.572 27.577 27.581 27.584	62.0 61.6 61.5 61.1 60.4 59.7 59.2 58.9	18.467 18.590 18.714 18.836 18.958 19.079 19.199 19.318 19.436 19.553	90.0 89.9 89.9 90.0 89.9 90.0 89.9 90.0	1484.6 1484.7 1485.0 1485.3 1485.4 1485.8 1486.0 1486.2 1486.4	16814.7 17180.5 17548.6 17919.2 18292.1 18667.4 19045.0 19424.9 19807.2 20191.7	5.4 8 2.2 3.4 4.2 -1.6 2.2 1.9 1.1 3.7
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.5 1624.2 1643.9 1663.6 1683.3 1703.1 1722.8 1742.5 1762.2	2.603 2.570 2.535 2.520 2.484 2.455 2.400 2.374 2.345 2.317	2.491 2.457 2.421 2.404 2.368 2.337 2.281 2.254 2.224 2.194	34.588 34.588 34.590 34.593 34.599 34.599 34.600 34.603 34.606	27.597 27.602 27.607 27.611 27.616 27.620 27.628 27.631 27.635 27.641	34.972 35.069 35.166 35.261 35.357 35.454 35.555 35.649 35.746 35.842	27.588 27.593 27.597 27.601 27.601 27.611 27.618 27.621 27.626 27.630	58.2 57.3 57.1 56.6 56.1 55.3 55.0 54.6 54.1	19.670 19.786 19.901 20.016 20.129 20.242 20.353 20.464 20.573 20.682	90.0 89.9 90.0 90.0 90.0 90.0 90.0	1486.7 1486.9 1487.1 1487.3 1487.5 1487.7 1487.8 1488.0 1488.3 1488.5	20578.5 20967.5 21358.8 21752.3 22148.0 22546.0 22946.1 23348.3 23752.6 24159.1	1.1 2.3 3 1.1 6 9.9 4.7 1.8 4.7
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1919.7 1939.4 1959.1	2.287 2.260 2.250 2.235 2.231 2.213 2.188 2.168 2.150 2.143	2.163 2.135 2.123 2.106 2.101 2.082 2.055 2.034 2.014 2.006	34.609 34.610 34.611 34.613 34.616 34.618 34.619 34.620 34.621	27.645 27.648 27.650 27.653 27.654 27.661 27.664 27.666 27.668	35.939 36.034 36.126 36.220 36.311 36.406 36.502 36.595 36.689 36.781	27.635 27.638 27.640 27.642 27.643 27.647 27.651 27.653 27.655 27.657	53.6 53.3 53.2 53.0 53.0 52.7 52.3 52.1 51.9 51.8	20.789 20.896 21.003 21.109 21.215 21.321 21.426 21.530 21.634 21.738	89.9 89.9 89.9 90.0 90.0 90.0 90.0	1488.7 1488.9 1489.2 1489.5 1489.8 1490.0 1490.3 1490.5 1490.8 1491.1	24567.7 24978.3 25391.0 25805.7 26222.6 26641.4 27062.3 27485.2 27910.1 28337.0	3.3 4.7 5 2.1 2.2 5 4 2.2 1.0
2000.0 2050.0 2100.0 2150.0 2200.0 2350.0 2350.0 2400.0 2450.0	1978.8 2028.0 2077.2 2126.4 2175.5 2224.7 2273.8 2323.0 2372.1 2421.2	2.134 2.088 2.032 1.990 1.947 1.913 1.868 1.841 1.822 1.797	1.995 1.946 1.887 1.841 1.794 1.756 1.708 1.677 1.653 1.625	34.622 34.633 34.638 34.641 34.644 34.648 34.650 34.651 34.651	27.669 27.678 27.687 27.694 27.705 27.712 27.716 27.719 27.723	36.873 37.109 37.346 37.580 37.813 38.044 38.278 38.508 38.735 38.965	27.658 27.666 27.675 27.683 27.689 27.693 27.700 27.704 27.706 27.710	51.7 50.9 50.0 49.4 48.8 48.4 47.7 47.4 47.2 46.9	21.841 22.098 22.351 22.600 22.845 23.088 23.328 23.566 23.803 24.038	90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0	1491.4 1492.0 1492.6 1493.3 1493.3 1494.6 1495.3 1496.0 1496.8 1497.5	28766.0 29847.0 30940.3 32045.6 33162.8 34291.8 35432.4 36584.4 37747.9 38922.7	2.5 3.8 1.8 1.4 2.5 2.3 2.6
2500.0 2550.0 2600.0 2700.0 2750.0 2850.0 2900.0 2900.0	2470.3 2519.4 2568.5 2617.5 2666.6 2715.6 2764.7 2813.7 2862.7 2911.7	1.773 1.757 1.734 1.727 1.700 1.679 1.659 1.645 1.635	1.597 1.577 1.549 1.538 1.507 1.481 1.457 1.439 1.424	34.656 34.660 34.661 34.663 34.664 34.666 34.668 34.669	27.727 27.730 27.733 27.735 27.740 27.742 27.745 27.748 27.750 27.750	39.193 39.420 39.648 39.873 40.102 40.328 40.555 40.780 41.004 41.004	27.714 27.716 27.720 27.721 27.725 27.728 27.730 27.733 27.735 27.737	46.6 46.5 46.2 46.2 45.6 45.4 45.4	24.272 24.505 24.736 24.967 25.197 25.426 25.653 25.880 26.106 26.331	89.9 90.1 90.0 90.0 90.0 90.0 90.0 89.9 90.0	1498.3 1499.0 1499.8 1500.6 1501.3 1502.1 1502.8 1503.6 1504.4 1505.2	40108.7 41305.9 42514.2 43733.5 44964.0 46205.3 47457.6 48720.7 49994.6 51279.3	3 2 4 1 1.4 1.7 .3
3000.0	2960.7 2960.7	1.603 1.603	1.384	34.672 34.672	27.756 27.756	41.455 41.455	27.740 27.740	44.8 44.8	26.556 26.556	90.0	1506.0 1506.0	52574.6 52574.6	.0

Station	12	Latitude	32° 21.	25'N	Longita	ude 127°	29.86'W	22	Aug 1989	GMT 22	2:00	Bottom	4183 m
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³				Dyn.Ht	LTR 0/0	SV m/s	TF m ³ /s ²	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	10.0 19.9 29.9 39.9 49.8 59.8 69.8 79.7	19.227 19.143 19.045 19.010 19.089 19.038 17.642 16.147 16.172 15.846	19.227 19.142 19.042 19.005 19.082 19.029 17.632 16.136 16.159 15.832	33.366 33.390 33.387 33.401 33.560 33.709 33.692 33.548 33.679 33.737	23.716 23.756 23.779 23.799 23.901 24.028 24.361 24.601 24.696 24.815	23.717 23.866 23.866 23.930 24.075 24.245 24.623 24.908 25.211	23.716 23.756 23.778 23.798 23.899 24.026 24.358 24.598 24.598 24.694 24.812	417.1 413.6 411.8 410.3 400.9 389.2 357.7 335.0 326.2 315.2	.000 .415 .827 1.239 1.648 2.040 2.418 2.765 3.416	89.7 89.8 89.7 89.4 89.4 89.4 89.6 89.7	1518.1 1518.0 1517.9 1518.6 1518.7 1514.9 1510.3 1510.7	2.1 8.3 18.6 33.0 51.3 73.6 99.4 128.6 161.0	00.8 3.7 29.4 414.3 152.2 407.6 199.2 136.6 84.7
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	15.717 15.486 14.762 14.277 13.615 12.862 12.257 11.833 11.274 10.856	15.701 15.470 14.744 14.258 13.595 12.842 12.236 11.811 11.251 10.833	33.774 33.814 33.766 33.742 33.695 33.633 33.585 33.617 33.598 33.622	24.873 24.955 25.077 25.162 25.263 25.366 25.446 25.551 25.639 25.732	25.312 25.439 25.606 25.737 25.883 26.033 26.160 26.310 26.310 26.585	24.869 24.951 25.073 25.158 25.259 25.362 25.442 25.635 25.728	310.0 302.5 291.0 283.1 273.7 263.9 256.4 246.6 238.2 229.5	3.730 4.036 4.333 4.620 4.898 5.168 5.429 5.680 5.680 6.155	89.8 89.8 90.1 90.2 90.4 90.3 90.5 90.5	1509.8 1509.3 1507.1 1505.6 1503.6 1501.1 1499.2 1497.9 1496.1 1494.8	196.6 235.3 276.9 321.5 368.9 419.0 471.7 526.9 584.6 644.7	105.8 60.9 145.4 81.8 125.6 81.3 91.7 51.8 71.3 27.6
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.0 229.0 238.9 248.9 258.8 268.7 278.7 288.6	10.313 9.888 9.473 9.425 9.221 9.099 9.072 8.943 8.671 8.526	10.289 9.864 9.448 9.400 9.195 9.072 9.043 8.914 8.641 8.496	33.654 33.722 33.807 33.817 33.885 33.927 33.927 33.949 33.977 33.989	25.853 25.977 26.112 26.128 26.267 26.267 26.271 26.309 26.374 26.405	26.752 26.924 27.106 27.167 27.299 27.397 27.447 27.530 27.642 27.719	25.849 25.973 26.109 26.124 26.210 26.263 26.267 26.304 26.369 26.400	218.1 206.3 193.5 192.3 184.2 179.4 179.1 175.7 169.6 166.7	6.379 6.591 6.792 6.985 7.173 7.354 7.534 7.711 7.884 8.052	90.6 90.5 90.5 90.5 90.5 90.4 90.4 90.4	1493.0 1491.8 1490.5 1490.0 1489.8 1489.8 1489.5 1488.7 1488.3	707.0 771.5 838.0 906.5 976.9 1049.1 1123.0 1198.8 1276.2 1355.4	34.0 30.1 12.4 40.9 32.6 10.6 6.0 73.6 56.9 49.8
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.3 348.2 358.1 368.0 378.0 387.9	8.308 8.125 8.047 7.886 7.854 7.530 7.349 7.125 6.885	8.277 8.094 8.014 7.853 7.770 7.619 7.495 7.314 7.089 6.849	34.000 34.004 34.003 34.005 34.004 34.002 33.999 33.998 34.002	26.447 26.478 26.489 26.514 26.524 26.564 26.564 26.618 26.653	27.808 27.885 27.942 28.014 28.069 28.140 28.202 28.272 28.350 28.434	26.442 26.473 26.484 26.509 26.519 26.559 26.559 26.613 26.648	162.8 159.9 159.0 156.7 155.9 153.7 152.2 150.1 147.2 143.7	8.217 8.378 8.538 8.695 8.852 9.006 9.159 9.310 9.459 9.604	90.3 90.2 90.2 90.1 90.0 89.8 89.7 89.6 89.4	1487.7 1487.2 1487.0 1486.6 1486.4 1486.0 1485.7 1485.7 1484.4 1483.6	1436.2 1518.6 1602.6 1688.2 1775.3 1863.9 1954.1 2045.8 2139.0 2233.6	7.6 30.7 3.8 11.0 9.6 28.3 4.6 30.9 24.4 36.9
400.0 410.0 420.0 430.0 440.0 450.0 470.0 480.0 490.0	397.8 407.7 417.7 427.6 437.5 447.4 457.3 477.2 487.1	6.657 6.507 6.260 6.123 5.974 5.734 5.629 5.578	6.620 6.470 6.223 6.085 5.936 5.835 5.695 5.590 5.538 5.476	34.004 34.007 34.011 34.019 34.029 34.037 34.047 34.052 34.065	26.685 26.708 26.743 26.767 26.794 26.813 26.837 26.854 26.858	28.513 28.583 28.666 28.737 28.811 28.876 28.948 29.013 29.073 29.129	26.680 26.703 26.739 26.762 26.789 26.808 26.833 26.850 26.850 26.873	140.7 138.6 135.1 132.9 130.3 128.6 126.2 124.6 123.4 122.5	9.747 9.886 10.023 10.157 10.288 10.418 10.545 10.671 10.795 10.918	89.0 88.8 88.6 88.5 88.4 88.3 88.2 88.2 88.1	1482.9 1482.5 1481.7 1481.3 1480.9 1480.6 1480.2 1480.0 1480.0	2329.6 2427.1 2525.8 2626.0 2727.4 2830.1 2934.1 3039.4 3145.8 3253.5	48.6 26.3 38.0 40.6 6.3 23.6 21.5 22.7 10.1
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 507.0 516.9 526.8 536.7 546.6 556.4 576.4 586.3	5.455 5.331 5.248 5.164 5.101 5.035 4.982 4.919 4.859 4.801	5.413 5.289 5.205 5.121 5.058 4.931 4.874 4.874 4.754	34.071 34.083 34.084 34.090 34.105 34.111 34.123 34.134 34.134	26.891 26.915 26.926 26.940 26.959 26.972 26.987 27.003 27.003	29.188 29.259 29.317 29.378 29.444 29.503 29.565 29.627 29.689 29.747	26.886 26.910 26.921 26.935 26.954 26.967 26.982 26.998 27.013 27.024	121.4 119.1 118.1 116.7 115.0 113.8 112.4 110.9 109.5 108.5	11.040 11.160 11.279 11.396 11.512 11.627 11.740 11.852 11.962 12.071	88.1 88.2 88.3 88.3 88.5 88.7 88.9 89.1 89.3	1479.8 1479.5 1479.3 1479.1 1479.0 1478.9 1478.8 1478.8	3362.4 3472.5 3583.8 3696.2 3809.8 3924.5 4040.4 4157.3 4275.4 4394.5	13.6 11.2 13.8 9.4 25.0 11.8 12.1 22.9 4.1 23.5
600.0 610.0 620.0 630.0 640.0 650.0 660.0 680.0 690.0	596.2 606.1 616.0 625.9 635.8 645.7 655.6 675.5 685.4	4.724 4.701 4.662 4.615 4.585 4.552 4.516 4.483 4.4430	4.677 4.654 4.614 4.566 4.536 4.502 4.465 4.431 4.402 4.377	34.169 34.174 34.181 34.191 34.202 34.213 34.228 34.239 34.239 34.257	27.053 27.059 27.070 27.083 27.095 27.107 27.123 27.135 27.145 27.155	29.817 29.870 29.926 29.986 30.044 30.102 30.165 30.223 30.280 30.336	27.048 27.054 27.065 27.077 27.089 27.101 27.117 27.130 27.140 27.150	106.3 105.8 104.8 103.7 102.6 101.5 100.1 99.0 98.0 97.2	12.179 12.285 12.390 12.494 12.597 12.699 12.800 12.899 12.998 13.096	90.1 90.2 90.2 90.2 90.2 90.2 90.1 90.2	1478.6 1478.6 1478.7 1478.6 1478.7 1478.8 1478.8 1478.8 1478.9	4514.7 4635.9 4758.2 4881.5 5005.9 5131.2 5257.5 5384.8 5513.1 5612.4	11.7 10.6 5 6.8 10.3 17.3 19.4 18.8 11.2
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5 784.4	4.395 4.359 4.329 4.319 4.300 4.284 4.262 4.242 4.208 4.174	4.342 4.305 4.274 4.264 4.227 4.227 4.204 4.184 4.149 4.115	34.270 34.284 34.296 34.298 34.306 34.311 34.317 34.317 34.322 34.333	27.170 27.185 27.197 27.200 27.208 27.214 27.222 27.228 27.240 27.250	30.396 30.458 30.516 30.565 30.620 30.671 30.725 30.777 30.835 30.892	27.164 27.179 27.191 27.194 27.202 27.208 27.216 27.222 27.233 27.243	94.5 93.4 93.2 92.5 92.0 91.4 90.9 89.8	13.192 13.287 13.381 13.474 13.567 13.659 13.751 13.842 13.932 14.022	90.1 90.2 90.1 90.1 90.1 90.1 90.1 90.1 90.1	1479.0 1479.0 1479.1 1479.2 1479.3 1479.4 1479.6 1479.6 1479.6	5772.6 5903.8 6035.9 6168.9 6302.8 6437.6 6573.3 6709.9 6847.5 6985.9	14.1 22.0 4.2 2.4 3.3 18.5 1.8 14.4 10.9
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.8 853.7 863.6 873.5 883.4	4.151 4.134 4.117 4.067 4.029 4.012 4.002 3.987 3.955 3.925	4.091 4.073 4.055 4.005 3.966 3.948 3.938 3.922 3.889 3.859	34.349 34.358 34.363 34.366 34.370 34.375 34.381 34.384 34.389 34.396	27.259 27.268 27.273 27.289 27.289 27.294 27.301 27.304 27.312 27.321	30.947 31.002 31.054 31.108 31.162 31.213 31.266 31.316 31.369 31.424	27.253 27.261 27.267 27.274 27.282 27.288 27.294 27.298 27.305 27.314	87.3 86.9 86.2 85.4 85.0 84.5 84.1	14.110 14.198 14.285 14.372 14.457 14.543 14.627 14.712 14.795 14.878	90.1 90.2 90.1 90.1 90.1 90.1 90.1 90.1 90.1	1479.7 1479.8 1479.9 1479.9 1479.9 1480.0 1480.1 1480.2 1480.3	7125.1 7265.3 7406.3 7548.1 7690.8 7834.3 7978.7 8123.9 8269.9 8416.7	8.9 2.5 8.9 8.3 1.0 4.8 13.6 17.4
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.5 972.5 982.3	3.904 3.879 3.860 3.837 3.815 3.784 3.764 3.733 3.703	3.837 3.811 3.792 3.768 3.745 3.714 3.694 3.662 3.631 3.609	34.404 34.407 34.413 34.420 34.425 34.431 34.435 34.442 34.446 34.449	27.329 27.334 27.341 27.355 27.362 27.368 27.368 27.377 27.383 27.383	31.479 31.530 31.583 31.637 31.690 31.743 31.795 31.850 31.903 31.953	27.322 27.327 27.334 27.342 27.348 27.355 27.361 27.370 27.376 27.380	81.5 80.9 80.2	14.960 15.042 15.123 15.204 15.284 15.363 15.442 15.520 15.598 15.675	90.2 90.1 90.0 90.1 90.1 90.1 90.1 90.2	1480.4 1480.5 1480.6 1480.7 1480.7 1480.8 1480.9 1480.9	8564.4 8712.8 8862.1 9012.1 9162.9 9314.5 9466.9 9620.0 9773.9 9928.6	9.2 4.5 6.9 6.9 6.0 11.9 1.6 5.7

Station	12	Latitude	32° 21.	25'N	Longit	ide 127°	29.86'W	22	Aug 1989	GMT 2	2:00	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht g J/kg	LTR 0/0	SV m/s	TF m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0 1120.0 1140.0 1160.0	992.2 1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.6 1150.4 1170.2	3.653 3.604 3.560 3.522 3.484 3.453 3.414 3.351 3.307 3.270	3.580 3.530 3.485 3.445 3.373 3.373 3.270 3.224 3.186	34.454 34.465 34.472 34.478 34.484 34.489 34.495 34.502 34.510 34.515	27.394 27.408 27.418 27.427 27.436 27.442 27.451 27.463 27.473 27.481	32.007 32.112 32.215 32.316 32.417 32.516 32.617 32.721 32.825 32.924	27.387 27.400 27.411 27.419 27.428 27.435 27.443 27.455 27.465 27.473	76.1 74.9 74.0 73.3 72.5 72.0 71.2 70.1 69.1 68.5	15.751 15.752 16.052 16.199 16.344 16.489 16.632 16.773 16.913 17.050	90.0 90.1 90.0 90.1 90.1 90.1 90.1 90.1	1481.0 1481.2 1481.3 1481.5 1481.7 1481.9 1482.1 1482.1 1482.3 1482.5	10084.0 10397.1 10713.0 11031.9 11353.7 11678.3 12005.7 12335.8 12668.7 13004.4	6.9 4.6 9.6 5.8 7 2.3 6.4 7.3 6.1 2.0
1200.0 1220.0 1240.0 1260.0 1280.0 1300.0 1320.0 1340.0 1360.0 1380.0	1189.9 1209.7 1229.4 1249.2 1269.0 1288.7 1308.5 1328.2 1347.9 1367.7	3.244 3.196 3.162 3.131 3.099 3.069 3.043 3.008 2.976 2.935	3.158 3.109 3.074 3.041 3.008 2.976 2.949 2.913 2.880 2.838	34.522 34.527 34.530 34.533 34.537 34.541 34.545 34.547 34.551 34.551	27.490 27.497 27.503 27.508 27.515 27.521 27.526 27.532 27.537 27.544	33.024 33.125 33.223 33.320 33.418 33.517 33.614 33.711 33.809 33.908	27.481 27.490 27.495 27.500 27.506 27.513 27.518 27.523 27.529 27.535	67.8 67.0 66.5 66.1 65.0 64.2 63.6 63.0	17.187 17.322 17.455 17.588 17.719 17.850 17.980 18.109 18.236 18.363	90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1	1482.7 1482.8 1483.0 1483.2 1483.6 1483.6 1483.9 1484.0 1484.2 1484.4	13342.6 13683.6 14027.1 14373.3 14722.0 15073.3 15427.1 15783.4 16142.2 16503.5	3.5 3.5 3.5 3.3 5.3
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.4 1407.2 1426.9 1446.7 1466.4 1486.1 1505.8 1525.6 1545.3 1565.0	2.908 2.872 2.845 2.861 2.767 2.736 2.719 2.669 2.660 2.611	2.809 2.772 2.744 2.699 2.664 2.631 2.612 2.582 2.551 2.501	34.557 34.561 34.562 34.565 34.567 34.570 34.572 34.574 34.576 34.579	27.549 27.555 27.559 27.565 27.570 27.575 27.578 27.582 27.582 27.587 27.593	34.004 34.103 34.199 34.298 34.394 34.586 34.586 34.682 34.778 34.877	27.540 27.546 27.550 27.556 27.566 27.566 27.569 27.573 27.577	62.6 62.1 61.7 61.7 60.2 60.0 59.6 59.2 58.6	18.489 18.614 18.737 18.860 18.982 19.103 19.223 19.343 19.461 19.579	90.1 90.0 90.0 90.0 90.0 90.0 90.0 90.1	1484.6 1484.8 1485.0 1485.2 1485.4 1485.8 1486.0 1486.2 1486.4	16867.3 17233.5 17602.1 17973.1 18346.5 18722.3 19100.3 19480.8 19863.5 20248.5	6.3 1.9 3.1 2.8 2.8 3.4 .5 1.4 2.2 2.8
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.5 1624.2 1643.9 1663.6 1683.3 1703.0 1722.8 1742.5 1762.2	2.582 2.556 2.555 2.507 2.484 2.452 2.397 2.366 2.338	2.471 2.444 2.411 2.392 2.367 2.334 2.304 2.276 2.244 2.215	34.581 34.586 34.589 34.591 34.594 34.594 34.596 34.599 34.601	27.597 27.601 27.607 27.611 27.614 27.619 27.622 27.626 27.631 27.635	34.973 35.069 35.166 35.261 35.357 35.453 35.548 35.643 35.740 35.836	27.588 27.592 27.597 27.601 27.604 27.610 27.612 27.616 27.621 27.625	58.2 57.8 57.3 57.0 56.7 56.0 55.6 55.1	19.696 19.812 19.927 20.042 20.155 20.268 20.380 20.492 20.602 20.712	90.0 90.1 90.0 90.0 90.1 90.1 90.1 90.1	1486.6 1486.8 1487.0 1487.3 1487.7 1487.7 1488.1 1488.3 1488.6	20635.8 21025.4 21417.2 21811.2 22207.4 22605.9 23006.5 23409.2 23814.2 24221.2	4.3 5.5 1.1 6 2.0 2.9 3.2 5.3 1.5 5.3
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.3 1900.0 1919.7 1939.4 1959.1	2.310 2.288 2.276 2.265 2.242 2.225 2.193 2.172 2.155 2.130	2.186 2.162 2.149 2.136 2.112 2.094 2.061 2.038 2.020 1.993	34.603 34.605 34.608 34.610 34.612 34.613 34.617 34.619 34.621 34.621	27.639 27.643 27.648 27.652 27.654 27.660 27.660 27.667 27.671	35.932 36.027 36.120 36.214 36.309 36.500 36.500 36.595 36.689 36.784	27.629 27.632 27.635 27.638 27.642 27.644 27.649 27.653 27.656 27.660	54.3 54.0 53.8 53.5 53.2 53.2 52.5 52.1 51.9 51.4	20.821 20.930 21.037 21.145 21.251 21.358 21.463 21.567 21.671 21.775	90.1 90.1 90.0 90.1 90.0 90.0 90.0 90.0	1488.8 1489.0 1489.3 1489.6 1489.8 1490.1 1490.3 1490.5 1490.8 1491.0	24630.4 25041.7 25455.0 25870.5 26288.0 26707.5 27129.2 27552.8 27978.4 28406.1	.9 3.3 2.1 1.7 1.3 1.6 4.5 1.6 4.3
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2350.0 2400.0 2450.0	1978.8 2028.0 2077.2 2126.4 2175.5 2224.7 2273.8 2323.0 2372.1 2421.2	2.105 2.060 2.022 1.974 1.944 1.916 1.879 1.854 1.820 1.796	1.967 1.918 1.876 1.825 1.791 1.759 1.719 1.689 1.651	34.626 34.629 34.632 34.638 34.640 34.644 34.647 34.649 34.651 34.655	27.675 27.681 27.687 27.696 27.700 27.705 27.711 27.715 27.719 27.724	36.880 37.113 37.346 37.582 37.813 38.044 38.276 38.505 38.736 38.966	27.664 27.669 27.675 27.684 27.688 27.693 27.698 27.702 27.707	51.0 50.5 50.0 49.2 48.8 48.4 47.6 47.6 47.2	21.877 22.131 22.382 22.630 22.875 23.118 23.360 23.598 23.835 24.070	90.0 90.1 90.0 90.0 90.1 90.0 90.0 90.0	1491.3 1491.9 1492.6 1493.2 1493.9 1494.6 1495.3 1496.1 1496.8 1497.5	28835.7 29918.4 31013.2 32120.1 33238.8 34369.3 35511.4 36665.0 37830.0 39006.3	1.4 1.1 .9 1.2 .7 .7 .8 -2.4
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2850.0 2900.0 2950.0	2470.3 2519.4 2568.5 2617.5 2666.6 2715.6 2764.7 2813.7 2813.7 2911.7	1.768 1.750 1.728 1.707 1.691 1.663 1.653 1.623 1.614	1.592 1.570 1.544 1.518 1.498 1.466 1.452 1.431 1.413 1.399	34.656 34.658 34.660 34.662 34.663 34.666 34.667 34.669 34.670 34.671	27.727 27.730 27.734 27.737 27.740 27.744 27.747 27.749 27.752 27.753	39.194 39.421 39.650 39.877 40.103 40.331 40.556 40.782 41.007 41.231	27.714 27.717 27.721 27.723 27.726 27.730 27.732 27.734 27.736 27.738	46.5 46.4 46.0 45.7 45.3 45.2 45.0 44.9	26.354	90.0 90.0 90.1 90.0 90.0 90.0 90.0 90.0	1498.2 1499.0 1499.8 1500.5 1501.3 1502.0 1502.8 1503.6 1504.4	40193.8 41392.5 42602.3 43823.2 45054.9 46297.6 47551.2 48815.5 50090.6 51376.4	.3 2 .4 1.3 1.4 .9 6
3006.0	2966.6	1.602	1.382	34.673	27.756	41.454 41.482	27.740 27.740	44.8	26.578 26.605	90.0 90.0	1506.0 1506.1	52829.2	1.6

Station		Latitude				ide 127°			Aug 1989			Bottom	
Pres.	Depth	Temp.	Pot.T.	Sal 0/00	sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	10 ⁸ m ³ /kg	_	O/O	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
20.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	.0 10.0 19.9 29.9 39.9 49.8 59.8 69.8 79.7	19.352 19.275 19.153 19.123 19.003 18.888 18.654 17.054 16.724 16.573	19.352 19.274 19.149 19.117 18.996 18.879 18.643 17.043 16.711 16.559	33.387 33.416 33.450 33.496 33.653 34.020 33.971 33.968 34.060	23.701 23.743 23.781 23.808 24.024 24.363 24.715 24.791 24.897	23.701 23.786 23.868 23.938 24.048 24.241 24.624 25.021 25.142 25.291	23.701 23.743 23.780 23.807 23.872 24.021 24.361 24.712 24.788 24.894	418.6 414.9 411.7 409.4 403.5 389.6 357.6 324.3 317.3	.000 .417 .830 1.241 1.649 2.045 2.422 2.759 3.079 3.389	89.4 89.3 89.3 89.3 89.3 89.4 89.4	1518.4 1518.4 1518.2 1518.4 1518.2 1518.3 1513.6 1512.8 1512.6	2.1 8.3 18.6 33.0 51.5 73.7 99.6 128.7 160.9	36.9 14.3 158.2 316.2 675.5 83.7 168.0 127.3
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	16.798 16.665 15.583 14.781 14.030 13.888 12.887 12.108 11.966 11.388	16.781 16.647 15.564 14.762 14.010 13.866 12.086 11.943 11.365	34.268 34.154 34.067 33.974 33.861 33.861 33.783 33.760	25.005 25.044 25.196 25.305 25.393 25.415 25.538 25.643 25.655 25.745	25.442 25.526 25.723 25.878 26.013 26.079 26.249 26.402 26.458 26.595	25.001 25.040 25.192 25.300 25.389 25.410 25.534 25.639 25.651 25.740	297.7 294.2 279.9 269.7 261.4 259.6 247.9 237.9 237.0 228.5	3.691 3.987 4.274 4.549 4.817 5.078 5.330 5.3574 5.812 6.043	89.6 89.6 89.8 90.0 90.3 90.1 90.3 90.2	1513.7 1513.5 1510.1 1507.7 1505.3 1505.0 1501.7 1499.1 1498.7 1496.9	196.1 234.3 275.5 319.4 366.0 415.2 467.0 521.2 577.9 636.8	41.3 112.4 160.0 61.7 112.6 63.6 15.1 38.4 120.1 130.5
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0	199.1 209.1 219.0 229.0 238.9 248.8 258.8 268.7 278.6 288.6	10.713 10.095 9.731 9.398 9.278 8.865 8.781 8.717 8.339 8.171	10.689 10.071 9.706 9.372 9.252 8.838 8.754 8.688 8.310 8.141	33.746 33.741 33.799 33.886 33.881 33.913 33.959 33.971 33.963 33.973	25.855 25.958 26.064 26.186 26.202 26.292 26.342 26.342 26.413 26.447	26.753 26.903 27.056 27.225 27.287 27.424 27.519 27.584 27.684 27.763	25.851 25.954 26.059 26.182 26.198 26.288 26.338 26.338 26.409 26.442	218.1 208.3 198.3 186.7 185.4 176.8 170.6 165.6 165.6	6.265 6.479 6.683 6.874 7.060 7.241 7.415 7.586 7.754 7.918	90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.2	1494.6 1492.5 1491.4 1490.5 1488.9 1488.8 1488.7 1487.4 1487.0	698.0 761.4 826.8 894.2 963.4 1034.5 1107.3 1181.8 1258.0 1335.8	54.3 25.2 130.2 13.6 42.3 61.8 20.8 13.8 78.4 17.2
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0	298.5 308.4 318.4 328.3 338.2 348.2 358.1 368.0 377.9 387.9	7.980 7.850 7.660 7.504 7.389 7.269 7.060 6.978 6.880 6.700	7.950 7.820 7.629 7.472 7.356 7.236 7.026 6.944 6.845 6.665	33.973 33.982 33.988 33.991 33.993 33.991 33.998 33.999 34.002	26.475 26.501 26.534 26.558 26.575 26.593 26.621 26.637 26.652 26.678	27.838 27.910 27.990 28.061 28.124 28.188 28.263 28.326 28.386 28.460	26.471 26.497 26.529 26.554 26.571 26.588 26.616 26.632 26.647 26.673	159.9 157.6 154.5 152.3 150.7 149.1 146.5 143.7 141.3	8.080 8.239 8.395 8.548 8.700 8.850 8.997 9.143 9.287	90.2 90.2 90.1 90.1 90.1 90.1 90.0 90.1	1486.4 1486.1 1485.5 1485.5 1484.8 1484.5 1483.8 1483.7 1483.5 1482.9	1415.3 1496.3 1578.9 1663.1 1748.7 1835.8 1924.4 2014.4 2105.9 2198.8	31.8 35.9 62.5 24.4 21.8 13.6 27.6 13.2 30.5
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.3 477.2	6.618 6.388 6.251 6.100 5.966 5.926 5.746 5.746 5.561	6.582 6.352 6.214 6.062 5.929 5.888 5.837 5.707 5.521 5.540	34.003 33.999 34.000 34.003 34.007 34.009 34.016 34.028 34.028 34.051	26.690 26.717 26.736 26.757 26.777 26.784 26.796 26.821 26.843 26.859	28.518 28.593 28.659 28.727 28.794 28.847 28.905 28.978 29.109	26.685 26.712 26.731 26.752 26.772 26.779 26.791 26.816 26.838 26.854	140.2 137.6 135.8 133.8 131.9 131.4 130.3 127.9 125.7	9.571 9.709 9.845 9.980 10.113 10.245 10.375 10.504 10.631 10.756	90.0 90.0 90.0 90.0 90.0 90.0 89.9 90.0	1482.7 1482.0 1481.6 1481.2 1480.8 1480.8 1480.8 1480.4 1479.8	2293.1 2388.8 2485.8 2584.2 2683.9 2784.9 2887.2 2990.8 3095.6 3201.7	46.3 11.7 16.9 3.1 11.0 30.9 8.9 50.5 2.5
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.8 526.8 536.7 546.6 556.4 576.3 586.3	5.613 5.460 5.628 5.600 5.500 5.363 5.269 5.192 5.060 4.972	5.571 5.584 5.556 5.455 5.317 5.223 5.146 4.925	34.084 34.125 34.138 34.143 34.144 34.146 34.147 34.142 34.142	26.882 26.994 26.913 26.926 26.942 26.957 26.973 26.982 26.994 27.004	29.177 29.236 29.299 29.358 29.421 29.483 29.546 29.6602 29.661 29.719	26.877 26.889 26.907 26.920 26.937 26.952 26.968 26.977 26.988 26.999	122.4 121.2 119.8 118.6 117.1 115.7 114.1 113.3 112.1 111.1	10.879 11.001 11.122 11.241 11.358 11.475 11.589 11.703 11.816 11.927	89.9 90.0 90.0 90.0 90.0 90.0 90.0 90.0	1480.5 1480.0 1480.9 1481.0 1480.7 1480.3 1480.1 1479.6 1479.6	3309.0 3417.5 3527.2 3638.1 3750.1 3863.3 3977.7 4093.1 4209.7 4327.4	8.9 34.1 18.3 18.9 7.2 33.2 22.7 3.3 29.7
600.0 610.0 620.0 630.0 640.0 650.0 670.0 680.0 690.0	596.2 606.1 616.0 625.9 635.8 645.7 655.6 665.5 675.5	4.923 4.878 4.830 4.739 4.687 4.632 4.610 4.563 4.523 4.499	4.876 4.830 4.781 4.689 4.637 4.582 4.559 4.511 4.470 4.446	34.149 34.156 34.169 34.179 34.188 34.202 34.213 34.226 34.230 34.236	27.015 27.025 27.042 27.059 27.073 27.090 27.101 27.117 27.124 27.131	29.776 29.833 29.896 29.960 30.020 30.084 30.141 30.203 30.257 30.310	27.009 27.020 27.036 27.054 27.067 27.084 27.095 27.111 27.118 27.125	110.2 109.2 107.8 106.1 104.9 103.2 102.3 100.9 100.2	12.038 12.148 12.256 12.363 12.468 12.572 12.675 12.776 12.877	90.1 90.0 89.8 90.0 90.0 90.0 89.9 90.0 90.0	1479.4 1479.3 1479.3 1479.1 1479.1 1479.1 1479.1 1479.1 1479.2	4446.2 4566.1 4687.0 4809.0 4932.0 5181.2 5307.3 5434.4 5562.5	21.8 8.6 11.5 12.4 7.4 10.9 12.7 9.8 4.2
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.8 754.7 764.6 774.5 784.4	4.486 4.456 4.431 4.416 4.382 4.349 4.337 4.297 4.270 4.238	4.432 4.401 4.376 4.325 4.229 4.279 4.239 4.211 4.178	34.243 34.257 34.266 34.271 34.279 34.289 34.292 34.304 34.311 34.320	27.139 27.153 27.163 27.169 27.179 27.190 27.194 27.207 27.216 27.227	30.364 30.425 30.480 30.532 30.589 30.696 30.756 30.811 30.868	27.133 27.147 27.157 27.163 27.173 27.184 27.188 27.201 27.210 27.221	99.0 97.6 96.8 96.3 95.4 94.1 92.9 92.1	13.076 13.174 13.272 13.368 13.464 13.559 13.653 13.747 13.839 13.931	89.6 90.0 89.8 90.0 89.9 89.9 89.9	1479.3 1479.4 1479.6 1479.6 1479.6 1479.7 1479.8 1479.8 1479.8	5691.5 5821.5 5952.5 6084.5 6021.4 6351.2 6485.9 6621.6 6758.2 6895.7	19.7 3.6 6.2 20.0 1.9 1.3 9.5 10.4 8.0
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.228 4.184 4.158 4.151 4.117 4.094 4.082 4.048 4.028 3.990	4.167 4.123 4.096 4.089 4.054 4.030 4.018 3.983 3.962 3.924	34.325 34.338 34.346 34.355 34.361 34.364 34.371 34.376 34.384	27.231 27.243 27.250 27.257 27.268 27.275 27.279 27.288 27.294 27.304	30.918 30.976 31.029 31.082 31.140 31.193 31.242 31.298 31.350 31.406	27.225 27.236 27.243 27.250 27.261 27.269 27.272 27.281 27.287 27.297	90.8 89.7 89.2 88.6 87.5 86.9 86.8 85.3 84.4	14.022 14.112 14.202 14.291 14.379 14.466 14.553 14.639 14.724 14.809	90.0 89.9 89.9 89.8 89.8 89.9 89.8	1480.0 1480.0 1480.0 1480.2 1480.3 1480.4 1480.5 1480.5	7034.1 7173.3 7313.5 7454.5 7596.4 7739.2 7882.8 8027.3 8172.6 8318.7	8.9 9.8 7.7 9.5 9.8 3.1 4.8 7.8
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.5 972.4 982.3	3.975 3.941 3.931 3.902 3.879 3.862 3.829 3.819 3.805 3.789	3.908 3.873 3.863 3.833 3.809 3.791 3.758 3.747 3.732 3.716	34.388 34.397 34.399 34.406 34.411 34.415 34.423 34.425 34.429 34.432	27.308 27.319 27.322 27.331 27.337 27.342 27.352 27.355 27.359 27.363	31.457 31.514 31.563 31.618 31.670 31.721 31.778 31.826 31.876 31.927	27.301 27.312 27.315 27.323 27.330 27.335 27.345 27.347 27.352 27.356	84.0 83.0 82.9 82.1 81.5 81.5 80.2 80.0 79.6	14.894 14.977 15.060 15.143 15.224 15.306 15.386 15.466 15.546 15.546	89.8 89.7 89.9 89.9 90.0 89.8 89.9 89.9	1480.7 1480.8 1480.9 1481.0 1481.0 1481.1 1481.2 1481.3 1481.4	8465.7 8613.5 8762.1 8911.5 9212.8 9364.6 9517.2 9824.7	1.9 7.9 11.6 6.6 9.5 7.5 4.0 3.1

Station	13	Latitude	32° 23.	07'N	Longitu	de 127°	35.94'W	23	Aug 1989	GMT 0	0:32	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m ^{TF}	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0 1180.0	992.2 1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.6 1150.4 1170.2	3.754 3.722 3.680 3.638 3.585 3.537 3.496 3.437 3.397	3.680 3.647 3.603 3.561 3.506 3.456 3.414 3.354 3.313 3.255	34.439 34.446 34.457 34.465 34.472 34.475 34.488 34.495 34.502	27.373 27.382 27.394 27.405 27.416 27.423 27.435 27.444 27.453 27.464	31.983 32.083 32.188 32.291 32.394 32.494 32.598 32.700 32.802 32.905	27.365 27.374 27.387 27.397 27.408 27.415 27.427 27.427 27.436 27.445 27.456	78.4 77.7 76.6 75.6 74.0 73.0 72.1 71.3 70.3	15.705 15.861 16.015 16.167 16.317 16.466 16.613 16.758 16.902 17.043	89.9 89.9 89.9 89.9 89.9 89.9	1481.4 1481.8 1482.0 1482.1 1482.2 1482.4 1482.5 1482.7 1482.8	9979.7 10291.8 10607.1 10925.3 11246.5 11570.6 11897.6 12227.4 12560.1 12895.5	12.5 7.4 7.0 7.6 3.5 4.4 9.4 8.8
1200.0 1220.0 1240.0 1260.0 1300.0 1300.0 1340.0 1360.0 1380.0	1189.9 1209.7 1229.4 1249.2 1268.9 1288.7 1308.5 1328.2 1347.9 1367.7	3.289 3.243 3.190 3.163 3.139 3.116 3.064 3.015 2.978 2.959	3.202 3.155 3.102 3.073 3.047 3.023 2.970 2.920 2.881 2.861	34.510 34.516 34.522 34.525 34.525 34.531 34.537 34.542 34.546 34.547	27.475 27.484 27.495 27.503 27.508 27.518 27.527 27.527 27.533 27.536	33.009 33.110 33.213 33.310 33.406 33.503 33.605 33.706 33.805 33.899	27.467 27.476 27.486 27.491 27.500 27.510 27.518 27.525 27.527	69.2 68.4 67.4 67.0 66.4 65.4 64.6 64.0	17.182 17.320 17.456 17.591 17.724 17.858 17.989 18.120 18.248 18.376	89.8 89.8 89.8 89.9 89.9 89.9	1482.9 1483.0 1483.1 1483.4 1483.6 1483.8 1483.9 1484.1 1484.2 1484.5	13233.7 13574.6 13918.1 14264.3 14613.1 14964.5 15318.5 15675.0 16034.1 16395.6	3.8 3.2 9.7 2.4 2.7 6.8 -1.4 10.3 -1.1
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.4 1407.2 1426.9 1446.7 1466.4 1505.8 1525.6 1545.3 1565.0	2.922 2.905 2.889 2.828 2.822 2.782 2.752 2.752 2.695 2.655	2.824 2.805 2.787 2.725 2.717 2.677 2.645 2.611 2.586 2.545	34.551 34.553 34.554 34.561 34.564 34.570 34.573 34.573 34.575	27.543 27.546 27.549 27.560 27.562 27.569 27.573 27.579 27.583 27.589	33.998 34.093 34.187 34.291 34.384 34.483 34.580 34.677 34.772 34.871	27.534 27.537 27.540 27.551 27.553 27.559 27.564 27.570 27.573 27.580	63.2 63.0 62.8 61.7 61.6 61.0 60.5 60.0 59.7 59.1	18.503 18.629 18.755 18.880 19.003 19.126 19.247 19.368 19.488 19.607	89.9 89.9 89.8 89.8 89.8 89.8 89.8	1484.7 1484.9 1485.2 1485.3 1485.6 1486.0 1486.2 1486.4 1486.6	16759.7 17126.2 17495.1 17866.5 18240.3 18616.5 18995.0 19375.9 19759.2 20144.8	2.2 .7 5.4 8.6 1.3 3.1 1.1 2 3.1
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1740.0 1780.0	1584.8 1604.5 1624.2 1643.9 1663.6 1683.3 1703.0 1722.8 1742.5 1762.2	2.623 2.592 2.555 2.530 2.490 2.476 2.434 2.405 2.389 2.378	2.511 2.479 2.440 2.414 2.373 2.358 2.314 2.284 2.267 2.254	34.581 34.586 34.586 34.587 34.590 34.591 34.593 34.598 34.598	27.594 27.598 27.604 27.607 27.615 27.625 27.625 27.628 27.630	34.968 35.064 35.161 35.257 35.354 35.447 35.546 35.736 35.829	27.584 27.589 27.594 27.597 27.602 27.604 27.611 27.615 27.618 27.620	58.7 58.7 57.4 56.7 56.1 55.5 55.5	19.725 19.841 19.957 20.073 20.187 20.300 20.413 20.525 20.636 20.747	8999899889998998998998	1486.8 1487.0 1487.1 1487.5 1487.8 1488.0 1488.2 1488.4 1488.7	20532.6 20922.7 21315.1 21709.8 22106.6 22505.7 22906.9 23310.3 23715.9 24123.6	2.0 2.9 4.6 1.7 1.7 2.3 2.1 .6 1.2 7.1
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.3 1900.0 1919.7 1939.4 1959.1	2.349 2.322 2.291 2.267 2.250 2.235 2.214 2.164 2.155 2.140	2.224 2.196 2.164 2.138 2.120 2.103 2.081 2.030 2.019 2.003	34.602 34.604 34.607 34.609 34.610 34.612 34.613 34.616 34.620 34.620	27.634 27.639 27.644 27.648 27.650 27.655 27.665 27.666 27.666	35.925 36.021 36.118 36.213 36.307 36.401 36.494 36.593 36.688 36.782	27.624 27.628 27.633 27.637 27.639 27.642 27.645 27.655 27.655	54.9 54.5 54.0 53.6 53.4 53.2 52.3 51.9 51.7	20.857 20.966 21.075 21.183 21.290 21.396 21.503 21.608 21.712 21.815	89.8 89.8 89.8 89.8 89.8 89.8 89.8	1488.9 1489.2 1489.4 1489.6 1489.9 1490.1 1490.4 1490.5 1490.8 1491.1	24533.5 24945.5 25359.6 25775.8 26194.0 26614.4 27036.7 27461.2 27887.6 28316.0	5.3 7.5 1.5 2.4 3.3 4.5 2.8
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2350.0 2400.0 2450.0	1978.8 2028.0 2077.2 2126.4 2175.5 2224.7 2273.8 2323.0 2372.1 2421.2	2.109 2.084 2.046 2.002 1.968 1.937 1.890 1.869 1.823 1.808	1.970 1.942 1.900 1.852 1.815 1.780 1.729 1.704 1.655 1.635	34.622 34.626 34.630 34.635 34.637 34.640 34.645 34.645 34.651 34.653	27.671 27.677 27.683 27.691 27.695 27.701 27.708 27.711 27.718 27.722	36.876 37.108 37.341 37.576 37.807 38.038 38.273 38.501 38.735 38.962	27.660 27.666 27.671 27.679 27.683 27.688 27.696 27.699 27.706 27.709	51.4 51.0 50.5 49.7 49.4 48.2 48.0 47.3	21.918 22.174 22.428 22.678 22.926 23.171 23.414 23.655 23.893 24.129	89.8 89.8 89.8 89.8 89.8 89.8	1491.3 1492.0 1492.7 1493.3 1494.7 1495.4 1496.1 1496.8 1497.6	28746.5 29831.2 30928.2 32037.4 33158.5 34291.5 35436.3 36592.6 37760.5 38939.7	3.7 1.7 1.4 2.7 2.1 1.0 4.5 1.1 3.7
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2900.0	2470.3 2519.4 2568.5 2617.5 2617.5 2617.6 2715.6 2764.7 2813.7 2862.7 2911.7	1.780 1.753 1.729 1.708 1.684 1.674 1.657 1.623 1.608	1.604 1.572 1.544 1.519 1.491 1.476 1.456 1.417 1.398 1.382	34.655 34.657 34.660 34.661 34.665 34.665 34.666 34.670 34.672 34.672	27.726 27.730 27.734 27.737 27.742 27.743 27.745 27.751 27.754 27.756	39.192 39.421 39.649 39.876 40.105 40.329 40.555 40.785 41.011 41.234	27.713 27.717 27.720 27.723 27.728 27.729 27.730 27.736 27.739 27.740	46.1 45.9 45.5 45.5 45.4 44.8 44.6 44.5	24.364 24.597 24.828 25.058 25.286 25.514 25.740 25.966 26.189 26.412	89.8 89.8 89.8 89.8 89.8 89.8 89.8	1498.3 1499.0 1499.8 1500.5 1501.3 1502.1 1502.8 1503.5 1504.3 1505.1	40130.2 41331.9 42544.7 43768.5 45003.3 46249.0 47505.5 48772.8 50050.9 51339.6	9 6 2.4 4 4 2.0 1.4 0 2
3000.0 3026.0	2960.7 2986.1	1.579 1.577	1.360 1.355	34.674 34.674	27.759 27.759	41.460 41.575	27.743 27.743	44.3 44.4	26.634 26.749	89.8 89.8	1505.9 1506.3	52638.9 53318.7	.0

Station		Latitude			=	ude 127°		23	Aug 1989	GMT 0	3:01	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	kg/m ³	Sigma-z kg/m ³	kg/m ³	$10^8 m^3/kg$		LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.9 49.8 59.8 69.8 79.7	19.331 19.330 19.155 19.456 18.003 17.305 16.867 16.905	19.331 19.328 19.186 19.149 17.995 17.295 16.855 16.892 16.569	33.436 33.440 33.447 33.463 34.024 34.024 34.050 34.043 34.120 34.114	23.743 23.747 23.788 23.810 24.004 24.527 24.716 24.815 24.866 24.936	23.743 23.790 23.875 23.940 24.177 24.745 24.978 25.121 25.215 25.330	23.743 23.747 23.788 23.809 24.002 24.525 24.714 24.812 24.862 24.933	414.5 410.9 409.2 391.1 341.6 323.9 314.7 310.3 303.9	.000 .415 .828 1.238 1.638 2.001 2.332 2.651 2.964 3.270	89.3 89.3 89.3 89.2 89.2 89.4 89.6	1518.4 1518.6 1518.5 1519.9 1516.2 1514.3 1513.1 1513.5 1512.7	.0 2.1 8.3 18.6 32.9 51.1 72.7 97.5 125.4 156.5	-2.8 30.7 14.8 412.0 404.2 157.9 45.1 65.3 46.8
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.6 109.6 119.6 129.5 139.4 149.4 159.4 169.3 179.3 189.2	16.468 16.181 15.854 15.048 14.682 14.146 13.462 12.971 12.282 11.799	16.452 16.163 15.835 15.029 14.661 14.124 13.439 12.948 12.258 11.775	34.144 34.153 34.128 34.039 33.992 33.949 33.943 33.905 33.866 33.827	24.986 25.060 25.115 25.226 25.269 25.350 25.487 25.556 25.660 25.721	25.425 25.542 25.642 25.799 25.887 26.013 26.311 26.462 26.570	24.983 25.056 25.111 25.222 25.265 25.345 25.482 25.551 25.655 25.716	299.4 292.7 287.7 277.3 273.4 265.9 253.0 253.0 253.0 253.0	3.572 3.870 4.159 4.444 4.719 4.988 5.246 5.737 5.971	89.7 89.4 89.7 89.8 89.8 90.0 90.1 90.1	1512.5 1511.8 1511.0 1508.5 1507.4 1505.8 1503.7 1502.2 1499.9 1498.4	190.6 227.6 267.6 310.4 356.0 404.3 455.2 508.6 564.5 622.7	76.4 140.7 22.1 141.1 75.8 126.6 55.7 37.7 61.9 64.1
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 248.8 258.8 268.7 278.6 288.6	10.876 10.010 9.893 9.460 9.277 8.957 8.833 8.641 8.212 8.120	10.851 9.986 9.868 9.434 9.251 8.930 8.613 8.184 8.090	33.782 33.790 33.795 33.864 33.905 33.950 33.947 33.948 33.989 33.992	25.854 26.010 26.034 26.159 26.221 26.307 26.325 26.355 26.453 26.468	26.751 26.956 27.025 27.197 27.305 27.438 27.501 27.578 27.724 27.785	25.849 26.006 26.029 26.155 26.217 26.303 26.320 26.351 26.448 26.464	218.3 203.3 201.2 189.4 183.6 175.5 173.9 171.2 161.8 160.5	6.197 6.411 6.613 6.810 6.997 7.175 7.350 7.523 7.688 7.849	90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2	1495.2 1492.3 1492.0 1490.2 1489.3 1488.9 1488.4 1487.0 1486.8	683.2 745.9 810.6 877.4 946.0 1016.4 1088.6 1162.4 1238.0 1315.2	85.9 207.9 15.5 64.3 52.3 12.1 18.2 108.1 60.6 14.3
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.1 358.1 358.0 377.9 387.9	8.063 7.771 7.686 7.494 7.368 7.121 6.929 6.578 6.417	8.033 7.741 7.655 7.462 7.335 7.088 6.896 6.769 6.544 6.382	33.993 34.004 34.003 34.003 33.999 34.000 33.997 34.001 34.004	26.479 26.530 26.542 26.569 26.619 26.643 26.664 26.696 26.717	27.841 27.940 27.997 28.072 28.133 28.215 28.287 28.354 28.434 28.501	26.474 26.525 26.537 26.565 26.580 26.614 26.639 26.659 26.691 26.712	159.7 154.8 153.8 151.2 149.9 146.5 144.2 149.3 137.3	8.009 8.167 8.322 8.475 8.625 8.773 8.918 9.061 9.202 9.340	90.2 90.1 90.2 90.1 90.1 90.1 90.1 90.1 90.0 90.1	1486.7 1485.8 1485.6 1485.6 1484.7 1483.9 1483.3 1483.0 1482.3 1481.8	1393.9 1474.3 1556.1 1639.5 124.4 1810.8 1898.6 1987.8 2078.5 2170.5	6.1 33.0 2.8 21.2 61.6 32.6 6.5 52.4 18.1 21.9
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.2 477.2 487.1	6.333 6.315 6.264 6.180 6.143 5.931 5.892 5.862 5.862 5.708	6.298 6.278 6.227 6.143 6.105 5.893 5.853 5.853 5.793 5.667	34.006 34.005 34.003 34.001 34.015 34.022 34.042 34.045 34.062	26.729 26.731 26.736 26.747 26.750 26.788 26.799 26.819 26.824 26.853	28.560 28.608 28.659 28.716 28.766 28.851 28.908 28.974 29.025 29.101	26.724 26.726 26.732 26.742 26.746 26.783 26.794 26.813 26.819 26.848	136.3 136.2 135.8 134.8 134.6 131.0 130.0 128.3 127.8 125.1	9.477 9.613 9.749 9.884 10.019 10.152 10.283 10.412 10.540 10.666	90.1 90.0 90.0 90.0 90.0 89.9 89.9 90.0 89.9 89.9	1481.6 1481.7 1481.7 1481.5 1481.5 1480.8 1480.9 1480.9 1480.7	2263.9 2358.6 2454.7 2552.1 2650.9 2750.9 2852.3 2955.0 3058.9 3164.1	3.7 5.8 6.1 4.3 43.8 12.8 6.0 24.5
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.8 526.8 536.7 546.6 556.5 566.4 576.3 586.3	5.700 5.609 5.490 5.386 5.289 5.254 5.239 5.198 5.065 5.041	5.658 5.566 5.447 5.343 5.245 5.209 5.193 5.151 5.019	34.072 34.082 34.100 34.114 34.122 34.127 34.132 34.137 34.152 34.152	26.862 26.881 26.910 26.933 26.951 26.959 26.965 26.965 27.001 27.004	29.156 29.222 29.298 29.368 29.432 29.487 29.539 29.594 29.594 29.717	26.857 26.876 26.904 26.928 26.945 26.954 26.960 26.968 26.996 26.998	124.4 122.6 119.9 117.7 116.0 115.3 114.8 114.1 111.5	10.791 10.915 11.036 11.155 11.272 11.388 11.503 11.617 11.731	89.9 89.9 89.9 90.0 90.0 90.0 89.9 90.0 89.9	1480.8 1480.6 1480.3 1480.1 1479.8 1479.9 1480.0 1480.0 1479.6 1479.7	3270.5 3378.1 3487.0 3597.0 3708.2 3820.6 3934.0 4048.7 4164.4 4281.2	4.3 45.5 16.0 29.1 13.9 8.9 4.8 7.4 32.9
600.0 610.0 620.0 630.0 640.0 650.0 670.0 680.0 690.0	596.2 606.1 616.0 625.9 635.8 645.7 655.6 665.5 675.4 685.3	5.026 5.023 5.031 4.981 4.924 4.884 4.832 4.747 4.589	4.977 4.975 4.981 4.931 4.873 4.832 4.780 4.536 4.536	34.154 34.156 34.167 34.162 34.176 34.182 34.190 34.198 34.231 34.238	27.008 27.009 27.017 27.019 27.037 27.046 27.058 27.074 27.117 27.126	29.767 29.814 29.867 29.916 29.980 30.036 30.094 30.158 30.249 30.304	27.002 27.003 27.011 27.013 27.031 27.040 27.052 27.068 27.112 27.120	111.0 110.4 110.2 108.6 107.8 106.7 105.1 100.9 100.2	11.953 12.064 12.175 12.285 12.394 12.503 12.610 12.715 12.818 12.918	90.0 89.9 90.0 90.0 89.9 90.0 89.9 89.9	1479.8 1479.9 1480.2 1480.1 1480.1 1480.0 1479.8 1479.5	4399.2 4518.2 4638.3 4759.6 4881.9 5005.2 5129.7 5255.1 5381.6 5389.1	4.5 2.2 17.1 6.3 16.8 14.2 6.0 49.3 30.2 15.3
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5	4.501 4.472 4.454 4.382 4.344 4.321 4.316 4.310 4.290 4.246	4.447 4.418 4.398 4.326 4.287 4.264 4.258 4.252 4.231 4.186	34.257 34.268 34.268 34.297 34.302 34.303 34.304 34.309 34.321	27.148 27.156 27.162 27.184 27.197 27.204 27.204 27.206 27.212 27.226	30.373 30.427 30.479 30.548 30.607 30.706 30.754 30.807 30.867	27.142 27.150 27.156 27.178 27.191 27.197 27.198 27.200 27.206 27.220	98.1 97.4 96.9 94.8 93.6 93.1 93.0 92.5 91.2	13.017 13.115 13.212 13.308 13.402 13.496 13.589 13.682 13.774 13.866	89.9 90.0 89.9 90.0 89.9 90.0 89.9 89.8	1479.4 1479.5 1479.5 1479.4 1479.5 1479.5 1479.7 1479.8 1479.9	5637.6 5767.0 5897.4 6028.8 6161.1 6294.3 6428.4 6563.4 6699.3 6836.2	7.4 3.3 17.1 7.1 9.2 4.5 .4 8.6 7.1 9.2
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.210 4.172 4.142 4.115 4.068 4.045 4.036 4.028 4.003 3.958	4.149 4.111 4.081 4.053 4.005 3.981 3.971 3.963 3.937 3.892	34.331 34.349 34.356 34.366 34.370 34.372 34.373 34.379 34.379	27.239 27.252 27.260 27.268 27.281 27.287 27.289 27.291 27.299 27.312	30.926 30.985 31.040 31.094 31.154 31.206 31.254 31.302 31.355 31.415	27.232 27.245 27.254 27.261 27.275 27.281 27.283 27.285 27.292 27.305	87.5 86.2 85.7	13.957 14.046 14.135 14.222 14.309 14.395 14.481 14.566 14.652 14.736	89.9 89.9 89.9 89.9 89.9 89.9 89.8	1479.9 1479.9 1480.0 1480.1 1480.1 1480.2 1480.4 1480.4	6973.9 7112.6 7252.1 7392.4 7533.7 7675.7 7818.6 7962.4 8107.0 8252.4	5.4 30.3 .7 10.1 11.3 .7 -1.0 5.4 10.4 13.0
900.0 910.0 920.0 930.0 940.0 950.0 960.0 980.0 990.0	893.3 903.2 913.1 923.0 932.9 942.8 952.6 962.5 972.4 982.3	3.925 3.899 3.883 3.865 3.865 3.842 3.842 3.800 3.763	3.858 3.831 3.815 3.806 3.795 3.779 3.770 3.753 3.728 3.690	34.398 34.404 34.408 34.409 34.412 34.412 34.418 34.422 34.428 34.428	27.322 27.330 27.334 27.336 27.339 27.339 27.347 27.351 27.358 27.368	31.472 31.525 31.576 31.624 31.673 31.718 31.772 31.823 31.876 31.932	27.315 27.322 27.327 27.329 27.332 27.332 27.340 27.344 27.351 27.361	82.7 82.0 81.6 81.5 81.3 81.7 80.7 80.3 79.7 78.8	14.819 14.901 14.983 15.065 15.146 15.227 15.309 15.389 15.469 15.548	89.9 89.9 89.9 89.9 89.8 89.8 89.9	1480.5 1480.6 1480.6 1480.8 1480.9 1481.0 1481.1 1481.2 1481.3	8398.6 8545.7 8693.5 8842.2 8991.6 9141.9 9292.9 9444.8 9597.4 9750.8	6.9 1 2.8 4 7 6.6 7 26.3

Station	14	Latitude	32° 24.	03'N	Longitu	de 127°	41.19'W	23	Aug 1989	GMT 0	3:01	Bottom	1350 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ^{TF} _{3/s²}	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1120.0 1140.0 1160.0	992.2 1012.0 1031.8 1051.5 1071.3 1091.1 1110.9 1130.6 1150.4 1170.2	3.743 3.712 3.630 3.544 3.504 3.460 3.456 3.411 3.352 3.281	3.669 3.637 3.554 3.467 3.426 3.380 3.375 3.329 3.268 3.197	34.439 34.446 34.457 34.473 34.485 34.486 34.486 34.500 34.510	27.374 27.382 27.389 27.429 27.429 27.438 27.440 27.449 27.461 27.476	31.984 32.084 32.194 32.309 32.410 32.512 32.604 32.706 32.811 32.918	27.366 27.374 27.392 27.413 27.421 27.431 27.431 27.441 27.454 27.468	78.3 77.6 76.0 74.0 73.2 72.4 71.5 70.4 69.0	15.627 15.783 15.936 16.086 16.233 16.379 16.524 16.667 16.810 16.948	89.9 89.9 89.9 89.9 89.9 89.9	1481.4 1481.6 1481.6 1481.8 1481.9 1482.2 1482.4 1482.5 1482.5	9905.0 10215.6 10529.3 10845.9 11165.5 11487.9 11813.1 12141.1 12472.0 12805.6	.8 10.2 11.3 6.4 4.9 .8 2.0 7.0 14.0
1200.0 1210.0	1189.9 1199.8	3.248 3.224	3.162 3.138	34.514 34.517	27.482 27.487	33.017 33.068	27.474 27.478	68.5 68.1	17.086 17.155	89.8	1482.7 1482.8	13141.9	2.3

Station	15	Latitude	32. 26.	05'N	Longitu	de 127°	45.92'W	23	Aug 1989	GMT 04	4:35	Bottom	480 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	.0 10.0 19.9 29.9 39.9 49.8 59.8 79.7 89.7	19.374 19.378 19.317 19.338 19.566 19.591 19.452 18.621 17.306 16.904	19.374 19.376 19.314 19.333 19.559 19.582 19.441 18.609 17.292 16.889	33.475 33.474 33.506 33.547 33.745 33.798 33.891 34.031 34.024 34.055	23.762 23.761 23.801 23.827 23.920 23.955 24.062 24.380 24.697 24.816	23.762 23.804 23.888 23.958 24.094 24.172 24.322 24.685 25.046 25.209	23.762 23.760 23.800 23.826 23.919 23.953 24.059 24.377 24.694 24.813	412.8 413.2 409.7 407.6 399.1 396.2 386.3 356.3 326.3	.000 .413 .825 1.234 1.638 2.035 2.429 2.801 3.138 3.458	89.3 89.4 89.4 89.4 89.4 89.7 89.7	1518.6 1518.8 1518.8 1519.1 1520.1 1520.3 1518.3 1514.6 1513.6	.0 2.1 8.2 18.5 32.8 51.1 73.4 99.5 129.1 161.9	.0 2.2 54.7 31.0 84.7 4.2 314.5 356.6 121.9 53.9
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	16.664 16.448 16.037 14.774 14.002 13.232 13.094 11.791 10.870	16.648 16.431 16.018 14.755 13.982 13.212 13.072 12.056 11.769 10.847	34.101 34.144 34.136 33.981 33.904 33.830 33.867 33.838 33.831 33.785	24.908 24.991 25.080 25.240 25.344 25.445 25.501 25.676 25.725 25.857	25.346 25.473 25.606 25.814 25.964 26.111 26.212 26.435 26.529 26.710	24.904 24.987 25.075 25.236 25.340 25.447 25.672 25.721 25.853	306.9 299.2 291.1 275.9 266.1 256.6 251.5 234.8 230.3 217.7	3.769 4.072 4.366 4.651 4.921 5.183 5.437 5.681 5.912 6.136	89.8 89.8 90.1 90.2 90.3 90.4 90.5 90.5	1513.1 1512.6 1511.5 1507.5 1507.5 1502.6 1502.4 1499.0 1499.0 1498.2 1495.1	197.9 236.9 279.0 323.8 371.5 421.7 474.6 529.9 587.5 647.4	93.7 101.5 48.2 182.7 25.9 22.2 23.1 140.6 26.1 43.2
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 248.9 258.8 268.7 278.6 288.6	10.682 10.106 9.742 9.693 9.430 9.336 8.872 8.826 8.556 8.363	10.658 10.082 9.717 9.668 9.403 9.309 8.844 8.798 8.527 8.333	33.771 33.762 33.816 33.823 33.867 33.901 33.938 33.980 33.998 34.002	25.880 25.972 26.075 26.089 26.166 26.208 26.311 26.352 26.408 26.440	26.778 26.917 27.067 27.126 27.250 27.337 27.488 27.574 27.677 27.755	25.875 25.968 26.071 26.084 26.162 26.204 26.307 26.347 26.403 26.435	215.7 206.9 197.2 196.1 188.9 185.0 175.2 171.6 166.3 163.3	6.353 6.565 6.768 6.965 7.156 7.343 7.524 7.697 7.865 8.030	90.5 90.5 90.6 90.5 90.5 90.5 90.5 90.5	1494.5 1492.6 1491.5 1491.5 1490.7 1490.6 1489.1 1489.1 1488.3 1487.7	709.5 773.8 840.0 908.3 978.5 1050.5 1124.4 1200.0 1277.3 1356.2	57.5 110.7 83.1 57.0 8.9 110.0 134.2 32.6 42.2
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.2 348.2 358.1 368.0 378.0 387.9	8.250 8.012 7.779 7.558 7.489 7.317 7.062 6.860 6.671 6.515	8.220 7.981 7.747 7.526 7.456 7.284 7.028 6.826 6.636 6.480	34.002 34.002 34.005 34.000 34.000 33.998 33.999 34.000 34.007	26.457 26.493 26.530 26.559 26.568 26.592 26.626 26.626 26.654 26.681 26.706	27.819 27.902 27.985 28.061 28.116 28.186 28.268 28.344 28.417 28.490	26.453 26.489 26.525 26.555 26.563 26.587 26.621 26.650 26.676 26.702	161.8 158.4 155.0 152.2 151.5 149.3 146.0 143.3 140.9 138.4	8.193 8.353 8.509 8.663 8.815 8.966 9.114 9.259 9.401 9.540	90.4 90.4 90.4 90.4 90.4 90.4 90.4	1487.5 1486.7 1486.0 1485.3 1485.2 1484.7 1483.8 1483.2 1482.6 1482.2	1436.8 1519.0 1602.7 1687.9 1774.7 1863.0 1952.7 2043.9 2136.6 2230.6	13.7 58.5 26.5 53.7 6.6 8.6 54.5 230.4 28.7
400.0 410.0 420.0 430.0 440.0 450.0	397.8 407.7 417.6 427.6 437.5 447.4	6.302 6.233 6.177 6.165 6.083 6.025	6.267 6.197 6.140 6.127 6.045 5.986	34.016 34.020 34.020 34.019 34.021 34.022	26.741 26.753 26.761 26.762 26.773 26.782	28.573 28.631 28.685 28.731 28.789 28.844	26.737 26.749 26.756 26.757 26.768 26.777	135.1 134.0 133.4 133.4 132.4 131.6	9.677 9.811 9.945 10.078 10.211 10.343	90.4 90.3 90.3 90.3 90.2 90.2	1481.5 1481.4 1481.3 1481.5 1481.3 1481.2	2325.9 2422.6 2520.7 2620.0 2720.7 2822.6	-4.5 18.1 2.8 14.0 23.3

Station	16	Latitude	32 29	.17'N	Longit	ude 127°	50.68'W	2	3 Aug 198	9 GMT 0	5:53	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-6 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht g J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
-0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.8 59.8 69.8 79.7	19.602 19.608 19.618 19.619 19.619 18.664 17.821 17.272 16.812	19.602 19.606 19.614 19.613 19.570 18.654 17.809 17.258 16.797	33.621 33.635 33.746 33.785 33.814 34.041 34.099 34.084 34.102	23.815 23.824 23.907 23.938 23.956 23.956 24.376 24.376 24.629 24.751 24.873	23.815 23.868 23.994 24.067 24.187 24.637 24.637 24.935 25.100 25.267	23.815 23.824 23.906 23.936 23.955 23.968 24.374 24.627 24.748 24.870	407.7 407.2 399.6 397.1 395.7 356.3 332.5 321.2 309.9	.000 .408 .811 1.209 1.605 2.000 2.376 2.718 3.044 3.359	89.4 89.3 89.4 89.4 89.4 89.5 89.6 89.7	1519.4 1519.6 1519.9 1520.1 1520.3 1520.4 1518.2 1516.0 1514.6 1513.4	.0 2.0 8.1 18.2 32.2 50.2 72.0 97.4 126.1 158.0	.0 44.4 113.8 29.6 3.3 56.6 337.3 166.4 75.6 94.6
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.4 159.4 169.3 179.3	16.481 16.107 15.377 15.134 14.003 13.308 13.143 12.676 11.954 11.242	16.465 16.090 15.358 15.115 13.983 13.287 13.121 12.654 11.931 11.219	34.096 34.129 34.049 34.072 33.932 33.829 33.829 33.831 33.799	24.946 25.058 25.161 25.232 25.343 25.462 25.578 25.695 25.801	25.384 25.540 25.689 25.804 25.963 26.097 26.173 26.498 26.652	24.943 25.054 25.157 25.228 25.339 25.427 25.458 25.573 25.690 25.797	303.2 292.9 283.2 276.7 266.2 255.1 244.4 233.3 223.1	3.665 3.963 4.252 4.531 4.803 5.065 5.321 5.571 5.812 6.041	89.6 89.7 89.9 89.9 90.2 90.2 90.3 90.3	1512.5 1511.6 1509.8 1508.8 1505.1 1502.9 1502.5 1501.1 1498.8 1496.4	193.0 230.9 271.8 315.6 362.0 411.1 462.8 517.0 573.6 632.5	60.8 97.1 75.0 73.5 70.4 23.7 81.1 95.9 166.1 120.0
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 248.8 258.8 268.7 278.6 288.6	10.690 10.114 9.778 9.406 9.132 9.042 8.769 8.674 8.433 8.308	10.666 10.089 9.754 9.381 9.106 9.015 8.741 8.645 8.404 8.278	33.784 33.786 33.812 33.875 33.904 33.932 33.946 33.945 33.963 33.971	25.888 25.990 26.066 26.176 26.243 26.280 26.334 26.348 26.399 26.425	26.786 26.935 27.058 27.215 27.329 27.410 27.511 27.571 27.668 27.740	25.884 25.986 26.062 26.172 26.239 26.276 26.330 26.344 26.394 26.420	214.9 205.2 198.1 187.7 181.4 173.0 171.8 167.1 164.7	6.259 6.469 6.671 6.862 7.047 7.227 7.402 7.575 7.743 7.909	90.4 90.4 90.4 90.4 90.4 90.3 90.3 90.3	1494.6 1492.7 1491.6 1490.5 1489.7 1488.7 1488.5 1487.8 1487.8	693.7 756.9 822.3 889.5 958.6 1029.5 1102.2 1176.6 1252.7 1330.4	35.8 33.7 160.4 50.2 59.3 81.2 37.8 56.8 22.2 6.1
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.2 358.1 368.0 377.9 387.9	8.135 8.030 7.878 7.731 7.563 7.369 7.196 7.029 6.827	8.104 7.998 7.846 7.699 7.530 7.335 7.162 6.995 6.876 6.791	33.979 33.988 33.993 34.001 33.999 34.000 33.999 33.997 34.000	26.457 26.479 26.506 26.531 26.558 26.689 26.631 26.646 26.660	27.819 27.887 27.960 28.032 28.105 28.178 28.250 28.319 28.381 28.441	26.452 26.475 26.501 26.526 26.553 26.579 26.604 26.626 26.641 26.655	161.8 159.8 157.3 155.0 152.5 150.1 147.8 145.7 144.3 143.1	8.072 8.233 8.391 8.547 8.701 8.852 9.001 9.147 9.293 9.436	90.2 90.3 90.3 90.2 90.2 90.2 90.2	1487.0 1486.8 1486.4 1485.5 1484.9 1484.4 1483.9 1483.6 1483.4	1409.8 1490.8 1573.3 1657.4 1743.1 1830.2 1918.8 2008.9 2100.4 2193.4	26.9 21.3 30.7 26.5 20.1 27.6 31.4 9.1 4.7 14.4
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.3 477.2	6.715 6.600 6.460 6.296 6.224 6.027 6.005 5.971 5.797 5.754	6.678 6.563 6.423 6.258 6.185 5.988 5.965 5.930 5.756 5.713	34.001 33.996 33.999 34.004 34.008 34.017 34.021 34.048 34.047 34.049	26.675 26.687 26.707 26.733 26.745 26.777 26.784 26.809 26.830 26.837	28.503 28.561 28.628 28.701 28.760 28.840 28.892 28.963 29.032 29.085	26.670 26.682 26.702 26.728 26.740 26.772 26.778 26.804 26.825 26.832	141.7 140.6 138.7 136.3 135.2 132.1 131.6 129.3 127.2 126.7	9.579 9.720 9.860 9.997 10.133 10.267 10.399 10.529 10.657 10.784	90.1 90.1 90.2 90.2 90.1 90.1 90.1 90.1	1483.1 1482.8 1482.4 1482.0 1481.8 1481.2 1481.3 1481.4 1480.8	2287.8 2383.5 2480.7 2579.2 2679.1 2780.3 2882.8 2986.7 3198.1	25.8 23.7 21.3 11.7 2.9 33.3 16.6 28.6 9.2
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0	497.0 506.9 516.8 526.8 536.7 546.6 556.4 576.3 586.3	5.786 5.720 5.682 5.600 5.360 5.386 5.301 5.277 5.218 5.108	5.744 5.677 5.638 5.556 5.315 5.340 5.255 5.230 5.171 5.060	34.077 34.081 34.104 34.105 34.090 34.106 34.117 34.117 34.132 34.136 34.139	26.855 26.867 26.890 26.901 26.917 26.927 26.946 26.961 26.971 26.986	29.148 29.206 29.275 29.333 29.398 29.453 29.519 29.580 29.636 29.699	26.850 26.861 26.885 26.896 26.912 26.922 26.940 26.955 26.965 26.981	125.2 124.1 122.0 121.0 119.3 118.5 116.7 115.4 114.6 113.0	10.910 11.035 11.157 11.279 11.399 11.518 11.635 11.751 11.866 11.980	90.1 90.0 90.0 90.1 90.1 90.1 90.1 90.1	1481.1 1481.1 1480.9 1480.1 1480.4 1480.2 1480.3 1480.2 1479.9	3305.7 3414.5 3524.6 3635.8 3748.3 3861.9 3976.7 4092.6 4099.7 4327.9	14.0 20.1 15.1 8.4 10.7 23.6 2.2 4.8 13.0 9.8
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0 690.0	596.2 606.1 616.0 625.9 635.8 645.7 655.5 675.5 685.4	5.063 5.060 4.986 4.913 4.861 4.803 4.757 4.738 4.649	5.015 5.011 4.936 4.863 4.810 4.752 4.705 4.686 4.596 4.596	34.143 34.151 34.152 34.165 34.171 34.180 34.187 34.189 34.204 34.214	26.994 27.001 27.010 27.029 27.039 27.053 27.064 27.068 27.090 27.098	29.753 29.806 29.862 29.928 29.984 30.045 30.102 30.152 30.221 30.274	26.989 26.996 27.004 27.024 27.034 27.048 27.059 27.062 27.084 27.092	112.3 111.8 110.9 109.2 108.2 107.0 106.0 105.7 103.6 103.0	12.093 12.205 12.316 12.426 12.535 12.642 12.749 12.854 12.959 13.063	90.0 90.1 90.1 90.0 90.0 90.0 90.1 90.0	1479.9 1480.1 1480.0 1479.8 1479.7 1479.7 1479.8 1479.6 1479.8	4447.2 4567.6 4689.2 4811.8 4935.5 5060.2 5186.0 5312.9 5440.8 5569.7	2.2 7.2 27.6 13.0 8.9 2.7 4.8 4.5 17.4 5.7
700.0 710.0 720.0 730.0 740.0 750.0 760.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5 784.4	4.639 4.619 4.580 4.559 4.499 4.454 4.374 4.374	4.584 4.564 4.524 4.502 4.451 4.41 4.396 4.388 4.314 4.276	34.222 34.226 34.234 34.237 34.247 34.253 34.267 34.268 34.293 34.304	27.105 27.111 27.122 27.127 27.140 27.145 27.162 27.163 27.191 27.203	30.328 30.379 30.437 30.487 30.548 30.599 30.661 30.709 30.783 30.842	27.099 27.105 27.116 27.120 27.134 27.139 27.155 27.157 27.184 27.197	102.4 101.9 100.9 100.5 99.3 98.9 97.4 97.3 94.7 93.5	13.165 13.267 13.369 13.469 13.569 13.668 13.766 13.864 13.960 14.054	90.0 90.1 90.0 90.1 90.0 90.1 90.0 90.1 90.0	1479.9 1480.0 1480.0 1480.1 1480.1 1480.2 1480.2 1480.3 1480.2 1480.3	5699.6 5830.5 5962.5 6095.4 6229.3 6364.2 6500.0 6636.9 6774.6 6913.3	8.0 12.1 9.5 1.9 11.3 11.6 2.5 3.9 29.1 8.9
800.0 810.0 820.0 830.0 850.0 860.0 870.0 890.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.299 4.268 4.241 4.201 4.181 4.159 4.121 4.086 4.081 4.039	4.238 4.206 4.178 4.139 4.118 4.095 4.056 4.020 4.014 3.973	34.313 34.319 34.326 34.334 34.342 34.345 34.354 34.361 34.368 34.376	27.215 27.223 27.232 27.242 27.250 27.256 27.266 27.276 27.282 27.293	30.900 30.955 31.010 31.066 31.121 31.172 31.229 31.285 31.337 31.394	27.209 27.217 27.225 27.235 27.244 27.249 27.259 27.269 27.275 27.286	92.5 91.7 91.0 90.1 89.3 88.9 87.0 86.5 85.5	14.147 14.240 14.331 14.421 14.511 14.600 14.689 14.776 14.863 14.949	90.0 90.0 90.0 90.0 90.0 90.1 90.1 90.1	1480.3 1480.4 1480.4 1480.5 1480.6 1480.6 1480.6 1480.8	7053.0 7193.5 7334.9 7477.2 7620.4 7764.5 7909.5 8055.3 8202.0 8349.5	11.6 16.8 7.5 6.0 9.8 4.8 10.1 11.9 5.7 6.0
900.0 910.0 920.0 930.0 950.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.5 972.4 982.3	4.006 3.929 3.910 3.891 3.859 3.807 3.805 3.771 3.737	3.938 3.862 3.841 3.822 3.789 3.737 3.734 3.723 3.699 3.664	34.381 34.400 34.404 34.409 34.416 34.426 34.426 34.428 34.434 34.440	27.301 27.323 27.328 27.334 27.343 27.356 27.357 27.360 27.367 27.375	31.448 31.518 31.569 31.621 31.677 31.737 31.783 31.831 31.885 31.939	27.294 27.316 27.321 27.327 27.336 27.349 27.350 27.352 27.359 27.359	84.8 82.7 82.2 81.7 80.9 79.6 79.5 78.9 78.1	15.034 15.118 15.201 15.283 15.364 15.444 15.524 15.603 15.682 15.761	90.1 90.0 90.0 90.0 90.0 90.0 90.0 90.0	1480.8 1480.7 1480.8 1480.9 1480.8 1481.0 1481.1 1481.2 1481.2	8497.8 8647.0 8797.0 8947.8 9099.4 9251.8 9405.0 9559.0 9713.7 9869.2	11.3 16.0 8.9 9.2 20.1 7 .5 3.1 3.1 9.3

Station	16	Latitude	32 29.1	17'N	Longitu	de 127°	50.68'W	23	Aug 1989	GMT 05	:53	Bottom	1625 m
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m3/s2	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0	992.2 1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.6 1150.4 1170.2	3.700 3.642 3.532 3.482 3.430 3.414 3.365 3.297 3.266 3.235	3.627 3.567 3.457 3.456 3.352 3.335 3.285 3.216 3.183 3.151	34.446 34.475 34.475 34.481 34.488 34.491 34.507 34.511 34.515	27.383 27.398 27.423 27.433 27.444 27.458 27.458 27.478 27.478	31.994 32.102 32.221 32.323 32.427 32.523 32.625 32.732 32.830 32.928	27.376 27.391 27.416 27.426 27.436 27.440 27.450 27.464 27.470 27.476	77.3 75.9 73.5 72.6 71.6 71.4 70.4 69.1 68.6 68.1	15.838 15.992 16.141 16.287 16.431 16.574 16.716 16.716 16.993 17.130	90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0	1481.2 1481.3 1481.3 1481.5 1481.7 1481.9 1482.1 1482.3	10025.5 10340.3 10658.0 10978.7 11302.1 11628.4 11957.5 12289.3 12623.8 12961.0	4.0 9.9 4.6 .8 11.6 6.1 5.2 3.5
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0 1380.0	1189.9 1209.7 1229.4 1249.2 1268.9 1288.7 1308.4 1328.2 1347.9 1367.7	3.169 3.125 3.087 3.072 3.045 3.027 2.994 2.934 2.917 2.880	3.084 3.039 2.999 2.983 2.954 2.935 2.901 2.840 2.821 2.783	34.528 34.531 34.534 34.536 34.538 34.542 34.548 34.550 34.553	27.497 27.504 27.511 27.514 27.519 27.522 27.528 27.539 27.542 27.548	33.035 33.134 33.233 33.328 33.424 33.520 33.618 33.721 33.816 33.914	27.489 27.496 27.503 27.506 27.510 27.514 27.520 27.531 27.534 27.539	66.8 66.6 65.6 65.1 64.8 64.2 63.0 62.5	17.265 17.398 17.530 17.661 17.791 17.921 18.050 18.177 18.304 18.429	90.0 89.9 90.0 90.0 89.9 90.0 90.0 90.0	1482.4 1482.5 1482.7 1483.0 1483.2 1483.6 1483.6 1483.7 1484.0 1484.2	13300.8 13643.3 13988.3 14335.9 14686.1 15038.7 15393.9 15751.6 16111.8 16474.4	2.6 6.7 3 4.1 -1.7 .9 7.7 .9 2.1
1400.0 1420.0 1440.0 1460.0 1480.0 1500.0	1387.4 1407.2 1426.9 1446.6 1466.4 1486.1 1492.0	2.820 2.799 2.784 2.745 2.699 2.688 2.687	2.723 2.700 2.684 2.643 2.596 2.583 2.582	34.559 34.561 34.561 34.565 34.569 34.571 34.570	27.558 27.561 27.563 27.570 27.577 27.580 27.580	34.017 34.112 34.206 34.304 34.404 34.498 34.524	27.549 27.552 27.555 27.560 27.568 27.570 27.570	61.5 61.2 61.1 60.5 59.7 59.6 59.7	18.553 18.676 18.798 18.920 19.040 19.159 19.195	90.0 90.0 90.0 89.9 89.9 90.0	1484.3 1484.5 1484.8 1484.9 1485.1 1485.4 1485.5	16839.4 17206.9 17576.7 17948.9 18323.4 18700.3 18813.8	6.2 -2.0 2.2 4.2 1.9 1.6

Station	17	Latitude	32° 30.	13'N	Longit	ude 127°	55.84'W	23	3 Aug 198	GMT 0	7:38	Bottom	3810 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³		Dvn.Ht		SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	10.0 19.9 29.9 39.9 49.8 59.8 69.8 79.7	19.739 19.749 19.706 19.673 19.633 19.634 18.823 17.981 17.773 16.980	19.739 19.747 19.702 19.667 19.626 19.625 18.812 17.760 16.966	33.802 33.814 33.814 33.814 33.814 33.814 34.147 34.147 34.140	23.917 23.915 23.936 23.945 23.954 23.954 23.954 24.283 24.628 24.771 24.863	23.917 23.958 24.023 24.075 24.128 24.173 24.544 24.933 25.257	23.917 23.915 23.935 23.944 23.953 23.954 24.281 24.625 24.860	397.9 396.9 396.4 395.9 396.1 365.2 332.7 319.4 310.8	.000 .398 .797 1.193 1.589 1.985 2.372 2.718 3.043 3.358	89.6 89.6 89.4 89.4 89.4 89.8	1520.0 1520.2 1520.3 1520.3 1520.4 1520.5 1518.6 1516.6 1516.3	2.0 7.9 17.9 31.7 49.5 71.3 96.7 125.4	51.7 14.4 4.2 3.0 453.3 155.6 134.0 48.3
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.3 179.3	16.872 16.449 15.970 14.587 13.918 13.523 12.768 11.473 11.012	16.856 16.431 15.951 14.567 13.898 13.502 12.747 11.452 10.990 10.413	34.193 34.167 34.138 33.934 33.863 33.872 33.772 33.775 33.756	24.930 25.009 25.097 25.244 25.330 25.419 25.531 25.737 25.809 25.917	25.367 25.491 25.623 25.818 25.950 26.083 26.242 26.498 26.616 26.771	24.926 25.005 25.092 25.240 25.326 25.414 25.526 25.734 25.805 25.913	304.9 297.5 289.5 275.4 267.4 259.2 248.6 228.8 222.1 211.8	3.665 3.966 4.260 4.542 4.814 5.078 5.331 5.570 6.014	89.8 89.8 90.0 90.3 90.4 90.4 90.4	1513.8 1512.7 1511.3 1506.9 1504.8 1503.6 1501.2 1496.8 1495.4 1493.5	192.2 230.2 271.2 315.0 361.5 410.7 462.5 516.8 573.3 632.0	55.3 54.1 93.0 79.0 22.6 143.5 136.6 133.5 147.4 128.9
200.0 210.0 220.0 230.0 240.0 250.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 248.8 258.8 268.7 278.6 288.6	9.987 9.720 9.620 9.542 9.290 8.970 8.812 8.591 8.427 8.249	9.964 9.697 9.595 9.516 9.264 8.943 8.785 8.563 8.399 8.219	33.783 33.816 33.841 33.891 33.957 33.964 33.985 34.001 33.998 33.999	26.008 26.079 26.115 26.167 26.259 26.316 26.358 26.404 26.427 26.455	26.909 27.025 27.107 27.205 27.343 27.447 27.535 27.627 27.697 27.771	26.004 26.074 26.111 26.163 26.255 26.312 26.354 26.400 26.423 26.451	203.2 196.7 193.4 188.7 180.0 174.6 170.8 166.5 164.4 161.8	6.220 6.420 6.615 6.806 6.990 7.168 7.341 7.510 7.675 7.838	90.5 90.4 90.5 90.4 90.4 90.4 90.4 90.3	1492.0 1491.3 1491.1 1491.0 1490.3 1488.9 1488.3 1487.8 1487.8	692.8 755.6 820.4 887.1 955.7 1026.0 1098.1 1171.9 1247.3 1324.3	45.3 16.6 51.7 71.3 47.0 549.0 42.5 28.1 26.3
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.1 358.1 368.0 377.9 387.9	7.950 7.795 7.665 7.571 7.465 7.317 7.124 6.993 6.894 6.774	7.920 7.764 7.633 7.539 7.432 7.283 7.090 6.959 6.859 6.738	33.988 33.985 33.985 34.000 33.999 33.998 33.997 33.997	26.491 26.514 26.531 26.550 26.571 26.591 26.617 26.635 26.648 26.670	27.854 27.924 27.987 28.052 28.119 28.186 28.259 28.323 28.383 28.452	26.487 26.509 26.526 26.545 26.566 26.586 26.613 26.629 26.643 26.666	158.4 156.3 154.8 153.1 151.2 146.3 146.9 145.3 144.1 142.0	7.998 8.155 8.311 8.464 8.617 8.767 8.915 9.061 9.206 9.349	90.4 90.3 90.3 90.3 90.3 90.3 90.3 90.3	1486.3 1485.9 1485.5 1485.1 1484.7 1484.1 1483.7 1483.5 1483.2	1403.0 1483.2 1565.0 1648.2 1733.0 1819.3 1907.1 1996.4 2087.0 2179.1	31.8 15.4 26.5 5.4 23.6 27.9 32.6 21.7 19.6
400.0 410.0 420.0 430.0 440.0 450.0 460.0 480.0 490.0	397.8 407.7 417.6 427.5 437.5 447.4 457.3 467.2 477.2 487.1	6.637 6.527 6.527 6.241 6.084 5.941 5.832 5.739 5.668 5.908	6.601 6.490 6.436 6.204 6.046 5.793 5.699 5.627 5.866	34.011 34.014 34.012 34.007 34.009 34.008 34.014 34.022 34.040 34.100	26.694 26.711 26.716 26.764 26.764 26.800 26.817 26.840 26.858	28.522 28.586 28.637 28.711 28.780 28.844 28.910 28.974 29.043 29.104	26.689 26.706 26.711 26.738 26.759 26.776 26.795 26.812 26.835 26.853	139.8 138.3 137.9 135.3 133.2 131.6 129.9 128.2 126.1 124.9	9.490 9.629 9.767 9.904 10.038 10.171 10.302 10.431 10.558 10.683	90.2 90.2 90.2 90.2 90.1 90.2 90.1 90.2	1482.8 1482.5 1481.7 1481.3 1480.9 1480.6 1480.4 1480.3 1481.5	2272.6 2367.5 2463.7 2561.3 2660.3 2760.5 2862.1 2964.9 3069.0 3174.4	24.0 5.0 17.8 21.3 21.3 19.5 25.0 15.1 17.7
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.8 526.8 536.7 546.6 556.4 576.3 586.2	5.788 5.661 5.488 5.517 5.297 5.193 5.021 4.980 5.026 5.001	5.746 5.618 5.445 5.473 5.252 5.148 4.976 4.935 4.979	34.104 34.096 34.119 34.096 34.108 34.106 34.116 34.143 34.164	26.876 26.897 26.907 26.922 26.930 26.951 26.969 26.982 26.998 27.018	29.169 29.237 29.295 29.355 29.411 29.479 29.546 29.605 29.666 29.732	26.871 26.892 26.902 26.917 26.924 26.946 26.964 26.977 26.993 27.013	123.2 121.2 120.2 118.9 116.0 114.1 113.0 111.7 109.9	10.807 10.930 11.050 11.170 11.288 11.405 11.520 11.634 11.746 11.857	90.1 90.1 90.1 90.2 90.1 90.1 90.1 90.1	1481.2 1480.9 1480.6 1480.6 1479.8 1479.6 1479.1 1479.1 1479.4	3281.0 3388.8 3497.8 3607.9 3719.3 3831.8 3945.5 4060.2 4176.1 4293.1	11.9 23.6 18.9 2.8 25.6 28.7 21.7 21.1 12.1 24.7
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.7 655.6 665.5 675.4 685.3	4.984 4.870 4.733 4.691 4.682 4.654 4.573 4.548 4.522	4.936 4.822 4.685 4.642 4.633 4.555 4.555 4.521 4.496 4.469	34.178 34.181 34.178 34.190 34.199 34.207 34.212 34.226 34.235 34.240	27.031 27.046 27.059 27.073 27.081 27.092 27.101 27.115 27.125 27.132	29.791 29.854 29.915 29.975 30.029 30.085 30.141 30.202 30.257 30.310	27.025 27.041 27.054 27.067 27.076 27.086 27.095 27.110 27.119 27.126	108.8 107.3 106.0 104.7 104.0 103.1 102.3 101.0 100.2 99.6	11.966 12.074 12.181 12.286 12.391 12.494 12.597 12.699 12.799 12.899	90.3 90.2 90.2 90.1 90.1 90.1 90.1 90.1	1479.7 1479.3 1478.9 1478.9 1479.1 1479.1 1479.2 1479.2 1479.2	4411.2 4530.3 4650.6 4771.8 4894.1 5017.4 5141.7 5267.0 5393.3 5520.6	10.9 4.8 15.6 16.5 12.4 3.3 7.1 28.8 2.4 11.2
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5 784.4	4.484 4.474 4.455 4.403 4.384 4.373 4.317 4.258 4.272	4.430 4.419 4.399 4.383 4.346 4.326 4.315 4.258 4.199 4.212	34.254 34.256 34.266 34.283 34.305 34.311 34.320 34.324 34.332 34.332	27.147 27.150 27.160 27.175 27.197 27.204 27.212 27.221 27.234 27.238	30.372 30.421 30.477 30.538 30.606 30.659 30.713 30.769 30.829 30.878	27.141 27.145 27.154 27.170 27.191 27.198 27.206 27.215 27.228 27.228	98.2 97.9 97.1 95.7 93.8 93.2 92.5 91.6 90.4	12.997 13.095 13.193 13.290 13.384 13.478 13.571 13.663 13.754 13.844	90.1 90.1 90.1 90.2 90.1 90.1 90.1 90.1 90.1	1479.3 1479.4 1479.5 1479.7 1479.7 1479.8 1479.9 1479.8 1479.8	5648.9 5778.1 5908.3 6039.5 6171.6 6304.6 6438.6 6573.4 6709.2 6845.8	3.3 3.9 11.8 26.8 15.6 5.7 3.9 20.0 6.0 2.2
800.0 810.0 820.0 840.0 850.0 860.0 870.0 880.0 890.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.239 4.236 4.213 4.186 4.158 4.135 4.107 4.046 4.020 4.043	4.179 4.175 4.151 4.123 4.095 4.071 4.042 3.980 3.954 3.977	34.342 34.348 34.357 34.364 34.375 34.375 34.382 34.385 34.389 34.404	27.244 27.250 27.259 27.267 27.275 27.282 27.291 27.299 27.305 27.314	30.930 30.982 31.037 31.092 31.146 31.199 31.254 31.309 31.361 31.415	27.237 27.243 27.252 27.261 27.268 27.275 27.284 27.292 27.298 27.307	89.7 89.2 88.4 87.7 87.0 86.6 84.8 84.3	13.934 14.024 14.112 14.200 14.287 14.374 14.460 14.545 14.629 14.713	90.1 90.1 90.1 90.1 90.2 90.1 90.1 90.1	1480.1 1480.2 1480.3 1480.4 1480.4 1480.5 1480.5 1480.5 1480.5	6983.3 7121.7 7261.0 7401.1 7542.1 7684.0 7826.7 7970.2 8114.6 8259.8	6.3 7.5 17.7 9.8 16.8 5.1 3.4 2.5 3.4
900.0 910.0 920.0 930.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.8 942.7 952.6 962.5 972.4 982.3	4.012 3.987 3.951 3.941 3.925 3.909 3.832 3.819 3.780 3.746	3.945 3.919 3.882 3.872 3.855 3.839 3.747 3.707 3.673	34.411 34.420 34.423 34.433 34.433 34.433 34.435 34.435 34.438	27.323 27.332 27.337 27.340 27.347 27.352 27.360 27.363 27.369 27.374	31.471 31.525 31.577 31.626 31.680 31.730 31.785 31.884 31.887 31.939	27.316 27.325 27.330 27.333 27.340 27.345 27.352 27.355 27.362 27.362 27.367	82.7 82.0 81.5 81.3 80.6 80.3 79.5 79.2 78.6 78.1	14.796 14.879 14.960 15.042 15.123 15.203 15.283 15.362 15.441 15.519	90.1 90.0 90.1 90.1 90.1 90.1 90.1 90.1	1480.9 1480.9 1480.9 1481.1 1481.2 1481.3 1481.1 1481.2 1481.2	8405.8 8552.6 8700.2 8848.7 8997.9 9147.9 9298.7 9450.3 9602.6 9755.7	18.3 9.3 6.3 9.9 -1.6 7.5 6.6 10.4

Station	17	Latitude	32° 30.	13'N	Longitu	ide 127°	55.84'W	23	Aug 1989	GMT 0	7:38	Bottom	
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-θ kg/m ³	Sigma-z	Sigma-t	Delta 10 ⁸ m ³ /kg	Dyn.Ht	LTR 0/0	SV m/s	TF m ³ /s ²	N ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0 1180.0	992.2 1012.0 1031.8 1051.5 1071.3 1091.1 1110.8 1130.6 1150.4 1170.1	3.739 3.665 3.665 3.565 3.502 3.449 3.364 3.328 3.297	3.665 3.591 3.538 3.488 3.424 3.369 3.334 3.282 3.245 3.212	34.442 34.452 34.463 34.470 34.488 34.493 34.493 34.500 34.505 34.508	27.377 27.392 27.406 27.416 27.430 27.442 27.450 27.460 27.467 27.473	31.987 32.095 32.201 32.304 32.411 32.515 32.616 32.718 32.818 32.915	27.369 27.384 27.398 27.408 27.422 27.434 27.442 27.452 27.459 27.465	78.0 76.6 75.4 74.4 73.1 72.0 71.3 70.4 69.8 69.3	J/kg 15.597 15.752 15.904 16.054 16.201 16.347 16.490 16.632 16.772 16.911	90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1	1481.4 1481.4 1481.5 1481.7 1481.8 1481.9 1482.1 1482.2 1482.4 1482.6	909.6 10219.6 10532.7 10848.7 11167.6 11489.4 11813.9 12141.3 12471.4 12804.3	2.3 13.4 11.0 .5 9.3 7.6 2.0 .8 2.6 2.3
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0 1380.0	1189.9 1209.7 1229.4 1249.2 1268.9 1288.7 1308.4 1328.2 1347.9 1367.7	3.250 3.211 3.176 3.134 3.089 3.064 3.033 3.004 2.959 2.932	3.164 3.124 3.088 3.045 2.998 2.972 2.939 2.963 2.863 2.835	34.514 34.519 34.523 34.528 34.532 34.536 34.538 34.542 34.546 34.548	27.482 27.490 27.497 27.504 27.511 27.517 27.522 27.528 27.535 27.539	33.017 33.117 33.216 33.316 33.415 33.513 33.610 33.708 33.807 33.904	27.474 27.481 27.489 27.496 27.503 27.508 27.513 27.519 27.527 27.531	68.5 67.2 66.5 65.4 65.6 63.4	17.049 17.185 17.320 17.454 17.586 17.717 17.848 17.977 18.105 18.233	90.1 90.0 90.1 90.1 90.1 90.1 90.1 90.1	1482.7 1482.9 1483.1 1483.2 1483.6 1483.6 1484.0 1484.2 1484.4	13139.8 13478.0 13818.9 14162.4 14508.4 14857.1 15208.3 15562.0 15918.2 16277.0	3.2 2.0 4.7 3.2 5.6 2.1 2.1 3.6
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0	1387.4 1407.2 1426.9 1446.6 1466.3 1486.1 1505.8 1525.5 1545.3 1565.0	2.886 2.851 2.817 2.7793 2.7759 2.733 2.705 2.658 2.628 2.604	2.787 2.751 2.716 2.691 2.655 2.628 2.599 2.550 2.520 2.494	34.553 34.556 34.559 34.561 34.566 34.571 34.575 34.578 34.579	27.547 27.553 27.558 27.562 27.570 27.574 27.578 27.586 27.591 27.594	34.004 34.102 34.199 34.295 34.394 34.490 34.586 34.687 34.783 34.878	27.538 27.544 27.549 27.553 27.560 27.565 27.569 27.569 27.577 27.581 27.585	62.7 62.2 61.7 61.4 60.7 60.3 59.1 58.7 58.4	18.359 18.484 18.608 18.730 18.853 18.974 19.094 19.213 19.330 19.448	90.1 90.0 90.1 90.0 90.1 90.0 90.1 90.0 90.0	1484.5 1484.7 1484.9 1485.1 1485.6 1485.8 1485.8 1485.9 1486.1 1486.3	16638.1 17001.8 17367.8 17736.3 18107.1 18480.3 18855.8 19233.7 19613.8 19996.2	5.1 1.9 6.6 2.8 6.3 7.8 1.4 3.1
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.7 1604.4 1624.2 1643.9 1663.6 1683.3 1703.0 1722.7 1742.4 1762.1	2.569 2.549 2.512 2.495 2.459 2.426 2.399 2.376 2.342 2.323	2.458 2.437 2.399 2.379 2.343 2.308 2.280 2.256 2.220 2.220	34.583 34.584 34.587 34.588 34.591 34.593 34.595 34.597 34.600 34.602	27.600 27.603 27.608 27.611 27.616 27.620 27.625 27.628 27.633 27.637	34.976 35.071 35.168 35.262 35.360 35.456 35.552 35.646 35.744 35.839	27.591 27.593 27.599 27.601 27.606 27.611 27.615 27.623 27.623	57.9 57.6 57.1 56.9 56.4 56.0 55.3 54.8	19.564 19.680 19.794 19.908 20.022 20.134 20.246 20.356 20.466 20.576	90.0 90.1 90.1 90.1 90.1 90.0 90.1 90.0	1486.5 1486.8 1487.0 1487.4 1487.6 1487.8 1488.0 1488.2 1488.5	20380.9 20767.9 21157.1 21548.5 21942.1 22337.8 22735.8 23135.9 23538.1 23942.5	3.2 2.0 2.6 6.7 2.9 4.4
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.8 1801.5 1821.2 1840.9 1860.6 1880.3 1900.0 1919.7 1939.4 1959.1	2.297 2.278 2.253 2.236 2.215 2.197 2.170 2.154 2.134 2.108	2.173 2.152 2.126 2.108 2.085 2.066 2.037 2.020 1.998 1.971	34.603 34.606 34.607 34.611 34.613 34.615 34.617 34.619 34.622	27.640 27.644 27.647 27.650 27.653 27.656 27.660 27.663 27.667	35.933 36.028 36.123 36.217 36.312 36.406 36.502 36.596 36.690 36.786	27.630 27.633 27.637 27.639 27.642 27.646 27.650 27.653 27.656 27.656	54.1 53.8 53.5 53.3 53.0 52.7 52.3 52.0 51.7	20.684 20.792 20.899 21.006 21.112 21.218 21.323 21.427 21.531 21.634	90.0 90.1 90.0 90.0 90.0 90.0 90.0 90.0	1488.7 1489.0 1489.5 1489.5 1489.7 1490.0 1490.2 1490.7 1490.9	24349.0 24757.5 25168.2 25580.9 25995.6 26412.5 26831.3 27252.2 27675.1 28099.9	2.1 1.2 2.1 2.7 4.5 4.8 4.0
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2350.0 2400.0 2450.0	1978.8 2028.0 2077.1 2126.3 2175.5 2224.6 2273.8 2322.9 2372.1 2421.2	2.095 2.052 2.011 1.977 1.937 1.912 1.897 1.847 1.797	1.957 1.910 1.865 1.828 1.784 1.755 1.736 1.711 1.679	34.623 34.628 34.632 34.636 34.639 34.642 34.644 34.646 34.648	27.673 27.681 27.688 27.694 27.700 27.704 27.706 27.711 27.715 27.723	36.879 37.113 37.348 37.580 37.813 38.043 38.271 38.500 38.730 38.964	27.662 27.669 27.676 27.682 27.688 27.692 27.694 27.698 27.702 27.710	51.1 50.5 49.8 49.4 48.8 48.5 48.1 47.8 46.9	21.736 21.990 22.241 22.489 22.734 22.977 23.219 23.461 23.700 23.937	90.0 90.1 90.0 90.0 90.0 90.0 90.0 90.0	1491.2 1491.9 1492.5 1493.2 1493.9 1494.6 1495.4 1496.2 1496.9 1497.5	28526.8 29602.5 30690.4 31790.3 32902.0 34025.5 35160.7 36307.4 3635.5	1.9 1 2.3 .9 2.4 -2.3 .1 1.4 -1.0
2500.0 2550.0 2600.0 2700.0 2750.0 2800.0 2850.0 2950.0	2470.3 2519.3 2568.4 2617.5 2666.5 2715.6 2764.6 2813.6 2862.6 2911.6	1.773 1.749 1.730 1.713 1.694 1.690 1.675 1.658 1.649 1.633	1.596 1.569 1.546 1.524 1.501 1.493 1.473 1.451 1.438 1.417	34.656 34.658 34.665 34.661 34.663 34.665 34.665 34.667 34.668	27.727 27.730 27.733 27.736 27.740 27.740 27.743 27.747 27.748 27.751	39.193 39.422 39.649 39.875 40.102 40.326 40.551 40.778 41.001 41.227	27.713 27.717 27.720 27.722 27.726 27.726 27.729 27.731 27.733 27.735	46.6 46.3 46.1 46.0 45.7 45.7 45.4 45.4	24.171 24.403 24.634 24.864 25.093 25.322 25.551 25.778 26.006 26.233	90.0 90.0 90.0 90.0 89.9 90.0 90.0 90.0	1498.3 1499.0 1499.8 1500.5 1501.3 1502.1 1502.9 1503.7 1504.5 1505.3	39816.5 41008.7 42211.9 43426.2 44651.5 45887.8 47134.9 48393.0 49662.0 50941.7	1.5 1.2 2 2.2 1.9 3 3
3000.0 3002.0	2960.6 2962.6	1.613 1.613	1.394 1.393	34.672 34.671	27.754 27.75 4	41.453 41.461	27.739 27.738	44.9 45.0	26.458 26.467	90.0 89.9	1506.0 1506.1	52232.3 52284.2	.7

Station	18	Latitude	32' 32.	.14'N	Longit	ude 128°	01.00'W	2	3 Aug 198	9 GMT 1	0:21	Bottom	4050 m
Pres. db	Depth m	Temp.	Pot.T.	Sa l 0/00	Sigma-6 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht g J/kg	LTR 0/0	SV m/s	m ^{TF}	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.8 59.8 69.8 79.7	19.683 19.685 19.688 19.664 19.639 18.749 17.807 16.885 16.745	19.683 19.685 19.655 19.632 19.632 17.797 17.553 16.872 16.731	33.807 33.807 33.804 33.814 33.814 33.987 34.076 34.188 34.073 34.130	23.936 23.936 23.936 23.940 23.954 24.615 24.615 24.760 24.834 24.910	23.936 23.979 24.022 24.070 24.1531 24.877 25.065 25.184 25.304	23.936 23.935 23.935 23.939 23.952 24.311 24.613 24.757 24.831 24.907	396.1 396.6 396.9 396.8 395.9 362.0 333.5 320.1 313.3 306.3	.000 .396 .793 1.190 1.587 1.968 2.313 2.638 2.954 3.264	89.5 89.7 89.6 89.6 89.6 89.8 89.8	1519.9 1520.0 1520.3 1520.4 1518.3 1515.4 1513.4 1513.2	.0 2.0 7.9 17.8 31.6 49.4 70.7 95.4 123.2 154.2	1 1 11.8 25.3 376.2 267.2 88.8 85.5 53.6
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.6 109.6 119.6 129.5 139.4 149.4 159.4 169.3 179.2 189.2	16.673 16.225 15.715 15.299 14.432 13.657 12.806 12.330 11.200 10.661	16.657 16.207 15.696 15.279 14.411 13.636 12.784 12.308 11.177 10.639	34.169 34.135 34.105 34.065 33.959 33.834 33.829 33.755	24.958 25.036 25.129 25.191 25.297 25.404 25.533 25.622 25.782 25.870	25.396 25.518 25.656 25.763 25.915 26.245 26.380 26.588 26.723	24.954 25.032 25.125 25.186 25.292 25.400 25.529 25.618 25.778 25.866	302.1 295.0 286.3 280.7 270.7 260.6 248.4 248.4 224.7 216.4	3.569 3.868 4.158 4.442 4.717 4.982 5.236 5.713 5.935	89.8 89.8 90.0 90.1 90.4 90.4 90.5 90.5	1513.2 1511.9 1510.5 1509.3 1506.6 1504.1 1501.4 1499.9 1496.0	188.2 225.2 265.2 308.0 353.6 401.8 452.7 506.0 561.6 619.6	34.8 104.4 82.4 133.3 104.4 36.4 87.7 34.1 65.2 146.8
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 228.9 238.8 258.8 268.7 278.6 288.6	10.334 9.891 9.635 9.556 9.367 9.164 8.926 8.660 8.606	10.310 9.867 9.610 9.530 9.341 9.137 8.898 8.632 8.576 8.291	33.770 33.825 33.870 33.918 33.986 33.986 33.989 33.991 33.994 34.000	25.939 26.057 26.135 26.186 26.254 26.303 26.342 26.386 26.397 26.445	26.838 27.003 27.127 27.224 27.337 27.432 27.519 27.609 27.665 27.761	25.935 26.053 26.131 26.182 26.250 26.298 26.338 26.382 26.392 26.441	209.9 198.8 191.5 186.9 180.5 172.3 168.2 167.4 162.8	6.147 6.351 6.546 6.735 6.919 7.096 7.271 7.441 7.609 7.774	90.5 90.5 90.5 90.5 90.5 90.4 90.4 90.5	1493.3 1491.9 1491.2 1491.1 1490.6 1490.1 1489.3 1488.5 1488.5	679.6 741.7 805.8 871.8 939.7 1009.3 1080.7 1153.8 1228.5 1304.9	55.9 43.6 70.5 66.1 84.5 35.3 66.2 31.7 68.8
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.1 358.1 368.0 377.9 387.9	8.075 7.777 7.602 7.454 7.304 7.116 6.997 6.831 6.754 6.607	8.045 7.747 7.571 7.422 7.272 7.084 6.964 6.797 6.719 6.571	33.988 33.985 33.986 33.986 33.989 33.991 33.995 33.993	26.481 26.516 26.540 26.562 26.584 26.629 26.655 26.664 26.685	27.843 27.926 27.996 28.065 28.134 28.208 28.272 28.344 28.400 28.469	26.476 26.512 26.535 26.557 26.580 26.607 26.625 26.650 26.659 26.681	159.5 156.1 153.9 151.9 149.8 147.3 145.6 143.3 142.5 140.4	7.935 8.092 8.247 8.400 8.551 8.699 8.845 8.990 9.133 9.274	90.5 90.4 90.4 90.4 90.4 90.4 90.3 90.3	1486.8 1485.8 1485.3 1484.9 1484.4 1483.9 1483.6 1483.1 1482.9 1482.5	1382.9 1462.5 1543.7 1626.3 1710.5 1796.1 1883.2 1971.7 2061.7 2153.0	71.1 33.0 4.5 6.6 40.2 19.1 3.6 18.2 16.7 15.2
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.6 427.5 437.5 447.4 457.3 467.2 477.1	6.449 6.220 6.067 5.985 5.898 5.732 5.655 5.508 5.391 5.335	6.413 6.184 6.030 5.948 5.860 5.694 5.469 5.352 5.295	33.994 33.994 34.003 34.016 34.025 34.029 34.033 34.039 34.045	26.705 26.735 26.761 26.782 26.802 26.823 26.833 26.834 26.872 26.884	28.535 28.612 28.686 28.753 28.818 28.889 28.945 29.013 29.079 29.137	26.700 26.730 26.757 26.777 26.796 26.819 26.828 26.849 26.868 26.879	138.6 135.7 133.2 131.3 129.6 127.4 126.6 124.6 122.8 121.8	9.414 9.551 9.685 9.818 9.948 10.077 10.203 10.329 10.453 10.575	90.3 90.4 90.2 90.3 90.2 90.2 90.3 90.3	1482.1 1481.3 1480.9 1480.7 1480.5 1480.0 1479.9 1479.5 1479.2 1479.1	2245.8 2339.9 2435.3 2532.1 2630.2 2729.5 2830.1 2932.0 3035.0 3139.3	30.4 22.2 20.7 26.2 14.5 14.8 8.0 17.4 10.3
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0	497.0 506.9 516.8 526.7 536.7 546.6 556.5 566.4 576.3	5.252 5.129 5.082 5.117 5.065 4.931 4.915 4.770 4.743 4.738	5.212 5.088 5.041 5.074 5.022 4.887 4.871 4.726 4.698 4.692	34.056 34.069 34.072 34.103 34.111 34.111 34.127 34.118 34.132 34.146	26.903 26.927 26.935 26.955 26.966 26.983 26.999 27.007 27.021 27.033	29.202 29.274 29.328 29.394 29.451 29.517 29.634 29.694 29.751	26.898 26.923 26.930 26.951 26.961 26.978 26.993 27.002 27.016 27.028	120.0 117.7 117.0 115.2 114.3 112.6 111.3 110.3 109.1	10.696 10.815 10.932 11.048 11.163 11.276 11.389 11.499 11.609	90.2 90.2 90.3 90.2 90.3 90.2 90.4 90.3	1478.9 1478.6 1478.9 1478.9 1478.9 1478.5 1478.3 1478.3	3244.8 3351.5 3459.3 3568.3 3678.4 3789.7 3902.0 4015.5 4130.1 4245.7	22.3 24.3 13.5 13.2 17.9 13.8 20.0 19.0 3.5 10.9
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.1 606.0 616.0 625.9 635.8 645.6 655.5 675.4 685.3	4.675 4.617 4.579 4.540 4.507 4.467 4.442 4.414 4.473 4.424	4.628 4.570 4.531 4.491 4.458 4.417 4.391 4.363 4.421 4.371	34.157 34.165 34.165 34.179 34.185 34.199 34.207 34.218 34.240 34.252	27.049 27.057 27.066 27.081 27.090 27.105 27.114 27.126 27.137 27.153	29.814 29.868 29.924 29.985 30.041 30.102 30.157 30.215 30.271 30.333	27.044 27.052 27.060 27.076 27.085 27.100 27.109 27.121 27.132 27.147	106.6 105.9 105.1 103.7 102.9 101.5 100.8 99.7 98.9 97.4	11.825 11.932 12.037 12.141 12.245 12.347 12.448 12.548 12.548 12.746	90.3 90.2 90.2 90.2 90.2 90.2 90.2 90.2	1478.3 1478.3 1478.3 1478.3 1478.4 1478.4 1478.5 1478.9 1478.9	4362.4 4480.1 4598.9 4718.7 4839.5 4961.4 5084.2 5208.1 5332.9 5458.7	10.3 22.3 8.2 8.2 24.0 11.4 13.5 4.4 16.2
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.2 705.1 715.0 725.0 734.8 754.7 764.6 774.5 784.4	4.404 4.418 4.419 4.344 4.321 4.309 4.357 4.323 4.305 4.288	4.351 4.363 4.364 4.288 4.265 4.252 4.299 4.264 4.245 4.227	34.257 34.268 34.281 34.284 34.287 34.296 34.325 34.335 34.342 34.350	27.158 27.166 27.176 27.186 27.191 27.199 27.218 27.230 27.237 27.245	30.385 30.438 30.493 30.551 30.602 30.656 30.719 30.778 30.831 30.885	27.153 27.160 27.170 27.180 27.185 27.194 27.212 27.224 27.231 27.239	97.0 96.4 95.6 94.6 94.2 93.4 91.9 90.8 90.2 89.5	12.843 12.940 13.036 13.131 13.225 13.319 13.412 13.503 13.594 13.684	90.2 90.2 90.2 90.2 90.3 90.2 90.2 90.2	1479.0 1479.2 1479.4 1479.3 1479.3 1479.5 1479.9 1480.0 1480.1	5585.4 5713.1 5841.8 5971.4 6101.9 6233.3 6365.7 6499.0 6633.1 6768.2	8.3 11.2 11.2 3.6 16.8 10.7 6.3 7.1 4.2
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.3	4.258 4.224 4.215 4.188 4.152 4.135 4.102 4.090 3.994 3.938	4.197 4.163 4.153 4.125 4.089 4.071 4.037 4.025 3.928 3.872	34.355 34.358 34.370 34.372 34.377 34.386 34.388 34.398 34.398 34.396	27.253 27.258 27.269 27.274 27.281 27.290 27.295 27.305 27.313 27.323	30.939 30.991 31.047 31.098 31.152 31.207 31.258 31.313 31.370 31.427	27.246 27.252 27.262 27.267 27.275 27.283 27.289 27.298 27.306 27.316	88.9 88.4 87.5 87.1 86.4 85.1 84.4 83.4 82.5	13.773 13.862 13.950 14.037 14.124 14.210 14.295 14.380 14.464 14.547	90.2 90.2 90.2 90.2 90.2 90.3 90.2 90.2	1480.2 1480.3 1480.4 1480.4 1480.5 1480.5 1480.7 1480.4	6904.1 7040.9 7178.5 7317.1 7456.5 7596.7 7737.8 7879.7 8022.4 8165.9	8.3 8.3 8.0 8.6 8.3 4.8 3.4 8.3
900.0 910.0 920.0 930.0 930.0 950.0 960.0 970.0 980.0	893.3 903.2 913.0 922.9 932.8 942.7 952.6 962.5 972.4 982.3	3.914 3.882 3.883 3.870 3.849 3.808 3.791 3.776 3.749 3.734	3.847 3.815 3.815 3.780 3.780 3.738 3.720 3.705 3.662	34.409 34.413 34.426 34.435 34.435 34.435 34.435 34.443 34.446 34.446	27.332 27.338 27.348 27.357 27.359 27.363 27.368 27.373 27.378 27.378	31.481 31.534 31.590 31.645 31.692 31.744 31.794 31.845 31.897 31.948	27.325 27.331 27.342 27.350 27.352 27.356 27.361 27.365 27.371 27.376	81.7 81.1 80.3 79.5 79.4 79.0 78.6 78.2 77.7	14.629 14.710 14.791 14.871 14.950 15.029 15.108 15.187 15.265 15.342	90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2	1480.4 1480.5 1480.7 1480.8 1480.9 1480.8 1480.9 1481.1 1481.1	8310.3 8455.4 8601.4 8748.1 8895.7 9044.0 9193.0 9342.9 9493.5 9644.8	8.3 6.0 2.8 9.5 6.0 4.3 4.6 3.7

6 5 - 5 - 5													
Station		Latitude				ude 128°			3 Aug 1989				4050 m
Pres. db	m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht g J/kg	LTR 0/0	5V m∕s	m ^{TF}	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0	992.2 1012.0 1031.7 1051.5 1071.3 1091.1 1110.8 1130.6 1150.4 1170.1	3.706 3.660 3.563 3.504 3.452 3.410 3.369 3.336 3.298	3.632 3.586 3.539 3.486 3.426 3.372 3.329 3.287 3.253 3.214	34.452 34.459 34.465 34.475 34.478 34.486 34.491 34.497 34.502 34.508	27.388 27.398 27.407 27.420 27.428 27.440 27.448 27.457 27.465 27.472	31.999 32.101 32.203 32.308 32.409 32.513 32.614 32.715 32.815 32.915	27.381 27.390 27.400 27.412 27.421 27.432 27.441 27.449 27.456 27.465	76.9 76.0 75.2 74.0 73.2 71.4 70.7 70.1 69.4	15.419 15.572 15.723 15.872 16.020 16.165 16.309 16.451 16.592 16.731	90.2 90.2 90.2 90.2 90.2 90.1 90.1 90.1 90.2	1481.3 1481.4 1481.6 1481.7 1481.8 1481.9 1482.0 1482.2 1482.4 1482.6	9797.0 10103.5 10412.9 10725.3 11040.6 11358.8 11679.8 12003.6 12330.1 12659.4	2.2 4.9 7.5 2.9 5.2 1.7 4.1 6.7
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0	1189.9 1209.6 1229.4 1249.2 1268.9 1288.7 1308.4 1328.2 1347.9 1367.6	3.274 3.229 3.183 3.151 3.110 3.075 3.040 3.096 2.983 2.945	3.188 3.142 3.095 3.061 3.019 2.983 2.947 2.911 2.887 2.848	34.511 34.521 34.525 34.529 34.532 34.536 34.540 34.542 34.546	27.477 27.486 27.494 27.500 27.507 27.513 27.520 27.526 27.530 27.537	33.012 33.113 33.213 33.311 33.411 33.509 33.607 33.706 33.802 33.901	27.469 27.478 27.486 27.492 27.505 27.511 27.517 27.521 27.528	69.0 68.2 67.5 67.0 66.3 65.2 64.7 64.3 63.7	16.869 17.007 17.142 17.277 17.410 17.542 17.673 17.803 17.803 17.932 18.060	90.2 90.1 90.2 90.2 90.2 90.2 90.2 90.2 90.2	1482.8 1483.0 1483.1 1483.3 1483.5 1483.8 1484.0 1484.3 1484.4	12991.4 13326.1 13663.5 14003.4 14346.0 14691.2 15039.0 15389.2 15742.0 16097.3	4.1 8.2 1.8 5.3 7.4 2.1 2.7 3.9 4.8 1.6
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0	1387.4 1407.1 1426.9 1446.6 1466.3 1505.8 1525.5 1545.3 1565.0	2.900 2.858 2.825 2.729 2.698 2.647 2.647 2.576	2.802 2.759 2.724 2.681 2.626 2.593 2.564 2.539 2.512 2.467	34.551 34.555 34.558 34.567 34.567 34.571 34.574 34.577 34.580	27.545 27.552 27.557 27.564 27.572 27.577 27.581 27.586 27.590 27.597	34.001 34.100 34.198 34.297 34.398 34.495 34.591 34.687 34.783 34.882	27.536 27.548 27.555 27.563 27.568 27.572 27.577 27.581 27.587	63.0 62.3 61.8 61.1 60.3 59.9 59.5 59.1 58.7 58.1	18.186 18.312 18.436 18.559 18.680 18.801 18.920 19.039 19.157 19.273	90.2 90.2 90.1 90.2 90.2 90.1 90.1 90.1	1484.6 1484.7 1484.9 1485.1 1485.4 1485.6 1485.6 1486.1 1486.2	16455.1 16815.3 17178.0 17543.1 17910.5 18280.3 18652.4 19026.8 19403.5	3.0 2.7 3.3 2.5 2.2 4.2 3.7 1.9 3.7
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.7 1604.4 1624.1 1643.8 1663.6 1683.3 1703.0 1722.7 1742.4 1762.1	2.539 2.520 2.493 2.472 2.431 2.400 2.367 2.343 2.328 2.317	2.428 2.407 2.379 2.357 2.315 2.283 2.248 2.223 2.206 2.194	34.583 34.585 34.586 34.592 34.598 34.598 34.599 34.601 34.602	27.603 27.606 27.609 27.613 27.619 27.625 27.629 27.633 27.635 27.637	34.980 35.075 35.170 35.265 35.364 35.461 35.558 35.653 35.747 35.839	27.593 27.596 27.600 27.604 27.615 27.615 27.620 27.623 27.625 27.627	57.5 57.0 56.6 55.9 55.0 54.7 54.5	19.389 19.504 19.618 19.731 19.844 19.955 20.066 20.176 20.285 20.394	90.2 90.1 90.1 90.2 90.1 90.1 90.1 90.1	1486.4 1486.7 1486.9 1487.1 1487.3 1487.5 1487.7 1487.9 1488.2 1488.5	20163.8 20547.3 20933.0 21320.9 21711.0 22103.3 22497.7 22894.2 23292.9 23693.7	2.3 -1.0 6.7 5.5 3.5 2.6 1.5 2.4
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.8 1801.5 1821.2 1840.9 1860.6 1880.3 1900.0 1919.7 1939.4 1959.1	2.296 2.272 2.251 2.232 2.213 2.189 2.164 2.148 2.128 2.106	2.171 2.146 2.124 2.104 2.083 2.058 2.032 2.014 1.992 1.970	34.604 34.608 34.609 34.611 34.613 34.617 34.618 34.620 34.623	27.640 27.644 27.647 27.651 27.654 27.652 27.665 27.665 27.668 27.672	35.934 36.029 36.124 36.218 36.312 36.408 36.504 36.597 36.692 36.787	27.630 27.634 27.637 27.640 27.643 27.652 27.654 27.657 27.657	54.1 53.7 53.5 53.2 52.9 52.5 52.1 51.9 51.5	20.502 20.610 20.717 20.824 20.930 21.035 21.140 21.244 21.347 21.450	90.1 90.1 90.2 90.1 90.1 90.1 90.1 90.2 90.1	1488.7 1488.9 1489.2 1489.4 1489.7 1489.9 1490.2 1490.4 1490.7 1490.9	24096.5 24501.5 24908.6 25317.7 25728.9 26142.1 26557.3 26974.6 27393.9 27815.1	1.5 3.0 4.5 .4 .1 1.9 1.6 2.8
2000.0 2050.0 2100.0 2150.0 2250.0 2350.0 2350.0 2400.0 2450.0	1978.7 2027.9 2077.1 2126.3 2175.5 2224.6 2273.8 2322.9 2372.0 2421.1	2.096 2.054 2.018 1.987 1.952 1.919 1.888 1.865 1.833 1.801	1.957 1.912 1.873 1.838 1.799 1.762 1.728 1.700 1.665 1.628	34.628 34.632 34.635 34.638 34.641 34.645 34.647 34.651 34.653	27.673 27.680 27.687 27.692 27.698 27.702 27.709 27.712 27.718 27.722	36.879 37.113 37.347 37.578 37.810 38.041 38.273 38.502 38.733 38.964	27.663 27.669 27.675 27.680 27.685 27.691 27.696 27.699 27.705 27.709	51.1 50.5 50.0 49.6 49.1 48.7 48.7 47.9 47.4	21.552 21.807 22.058 22.307 22.553 22.798 23.040 23.280 23.518 23.754	90.1 90.1 90.1 90.2 90.1 90.1 90.1 90.1	1491.2 1491.9 1492.6 1493.3 1494.0 1494.7 1495.4 1496.1 1496.8 1497.5	28238.3 29305.0 30383.9 31474.8 32577.6 33692.3 34818.6 35956.5 37105.9 38266.7	1 3.2 .9 2.4 1.5 1.0 1.6 1.7
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2850.0 2900.0 2950.0	2470.2 2519.3 2568.4 2617.5 2666.5 2715.6 2764.6 2813.6 2862.6 2911.6	1.776 1.750 1.730 1.730 1.684 1.664 1.654 1.6537 1.623	1.599 1.570 1.545 1.520 1.491 1.467 1.453 1.431 1.413	34.655 34.657 34.659 34.662 34.666 34.666 34.667 34.668 34.670	27.726 27.730 27.733 27.738 27.741 27.745 27.746 27.749 27.752 27.754	39.192 39.421 39.649 39.876 40.104 40.332 40.555 40.782 41.007 41.232	27.712 27.717 27.720 27.723 27.727 27.730 27.731 27.734 27.736 27.739	46.8 46.4 46.1 45.9 45.6 45.3 45.1 44.9	23.989 24.221 24.452 24.682 24.911 25.138 25.364 25.590 25.815 26.039	90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1	1498.3 1499.0 1499.8 1500.5 1501.3 1502.0 1502.8 1503.6 1504.4 1505.2	39438.8 40622.0 41816.4 43021.8 44238.1 45465.4 46703.4 47952.3 49212.0 50482.4	.3 2 .7 1.0 4 .2 .3 2.1 .4
3000.0 3050.0 3062.0	2960.6 3009.6 3021.3	1.596 1.585 1.583	1.377 1.361 1.359	34.673 34.674 34.674	27.756 27.758 27.758	41.456 41.680 41.733	27.740 27.742 27.742	44.7 44.5 44.6	26.263 26.486 26.539	90.1 90.1 90.0	1506.0 1506.8 1507.0	51763.4 53055.1 53366.7	2.2

Station	19	Latitude	31. 59.	04'N	Longit	ude 128°	41.38'W	23	Aug 1989	GMT 1	6:48	Bottom	4125 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	.0 10.0 19.9 29.9 39.8 59.8 69.8 79.7	19.881 19.875 19.936 19.867 19.606 19.065 17.850 17.243 16.924	19.881 19.873 19.932 19.861 19.598 19.056 17.840 17.231 16.911	33.751 33.758 33.790 33.846 33.926 34.035 34.126 34.128 34.096 34.131	23.841 23.849 23.858 23.919 24.048 24.271 24.643 24.791 24.843 24.869	23.841 23.893 23.945 24.049 24.221 24.487 24.905 25.097 25.192 25.263	23.849 23.858 23.918 24.046 24.268 24.641 24.788 24.840 24.866	405.2 404.8 404.3 398.9 386.9 366.1 330.9 317.1 312.4 310.2	.000 .405 .810 1.212 1.605 1.982 2.332 2.656 2.970 3.281	89.1 89.2 89.2 89.2 89.0 89.1 89.2 89.3	1520.3 1520.5 1520.9 1520.9 1520.4 1519.2 1516.0 1514.4 1513.5 1513.7	.0 2.0 8.1 18.2 32.2 50.1 71.6 96.5 124.5 155.6	13.4 15.0 84.1 186.0 177.4 254.0 132.4 17.0 31.0
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	16.968 16.557 16.296 15.947 15.701 14.529 13.601 12.585 11.954 11.159	16.952 16.539 16.277 15.927 15.680 14.507 13.579 12.562 11.931 11.136	34.197 34.287 34.225 34.250 34.311 34.186 34.059 34.029 33.938 33.919	24.910 25.076 25.089 25.188 25.291 25.451 25.548 25.727 25.778 25.910	25.347 25.558 25.615 25.759 25.906 26.113 26.257 26.484 26.581 26.761	24.906 25.072 25.085 25.184 25.286 25.447 25.543 25.723 25.773 25.906	306.7 291.2 290.3 281.0 271.6 256.4 247.2 230.1 225.4 212.8	3.589 3.890 4.180 4.464 4.742 5.004 5.254 5.493 5.720 5.940	89.3 89.4 89.6 89.6 89.8 89.8 89.9	1514.1 1513.1 1512.4 1511.6 1511.0 1507.3 1504.3 1501.0 1498.9 1496.3	189.8 227.1 267.2 310.3 356.1 404.6 455.6 509.1 564.8 622.8	35.4 33.9 114.1 42.0 223.5 241.8 142.1 113.8 34.9 51.1
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 248.8 258.8 268.7 278.6 288.6	10.632 10.308 9.856 9.564 9.304 9.108 8.870 8.870 8.583 8.379	10.608 10.284 9.830 9.538 9.278 9.081 8.843 8.676 8.554 8.349	33.823 33.813 33.882 33.932 33.957 33.960 34.004 34.019 34.041 34.048	25.928 25.977 26.108 26.195 26.257 26.291 26.363 26.401 26.437 26.474	26.827 26.922 27.099 27.233 27.341 27.421 27.540 27.624 27.706 27.789	25.924 25.973 26.103 26.191 26.253 26.287 26.359 26.396 26.433 26.470	211.1 206.5 194.2 185.9 180.2 177.1 170.3 166.9 163.6 160.1	6.152 6.361 6.562 6.752 6.934 7.112 7.286 7.454 7.620 7.781	90.0 89.9 89.9 90.0 89.8 89.8 89.8	1494.4 1493.4 1492.0 1491.2 1490.4 1489.8 1489.2 1488.7 1488.4 1487.8	682.9 745.1 809.4 875.5 943.5 1013.3 1084.9 1158.1 1232.9 1309.4	22.9 106.0 69.6 96.2 78.3 63.3 29.3 56.2
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 358.1 368.0 377.9 387.9	8.268 8.111 7.955 7.744 7.586 7.526 7.343 7.198 7.003 6.738	8.237 8.079 7.923 7.711 7.552 7.492 7.308 7.162 6.968 6.702	34.045 34.055 34.052 34.060 34.043 34.034 34.049 34.040 34.038 34.035	26.489 26.520 26.541 26.578 26.589 26.627 26.640 26.666 26.699	27.850 27.927 27.994 28.079 28.135 28.182 28.267 28.327 28.399 28.481	26.484 26.515 26.536 26.574 26.583 26.584 26.622 26.635 26.661 26.694	158.9 156.0 154.1 150.5 149.7 146.1 144.9 142.5 139.3	7.940 8.098 8.253 8.405 8.555 8.705 8.853 8.998 9.141 9.282	89.8 89.8 89.8 89.8 89.7 89.7 89.5	1487.6 1487.2 1486.7 1486.1 1485.6 1485.5 1485.0 1484.0 1484.0	1387.5 1467.2 1548.4 1631.1 1715.3 1801.0 1888.1 1976.7 2066.8 2158.2	33.9 28.1 41.2 32.4 35.6 33.8 47.5 11.5
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.3 477.2 487.1	6.607 6.467 6.341 6.139 5.999 5.917 5.819 5.672 5.589	6.570 6.430 6.304 6.101 5.961 5.878 5.780 5.780 5.549 5.501	34.038 34.032 34.030 34.036 34.047 34.029 34.037 34.050 34.047	26.719 26.733 26.747 26.778 26.805 26.801 26.819 26.847 26.855 26.861	28.548 28.669 28.669 28.748 28.821 28.865 28.929 29.005 29.111	26.715 26.728 26.742 26.774 26.800 26.796 26.814 26.843 26.851 26.856	137.4 136.2 134.8 131.8 129.3 129.7 128.0 125.3 124.6 124.2	9.421 9.558 9.693 9.826 9.957 10.087 10.216 10.342 10.468 10.591	89.4 89.3 89.3 89.2 89.2 89.1 89.0 89.0	1482.7 1482.3 1482.0 1481.4 1481.0 1480.8 1480.6 1480.2 1480.0 1480.0	2251.0 2345.2 2440.7 2537.6 2635.7 2735.2 2835.9 2937.9 3041.1 3145.5	39.5 1.1 43.9 14.5 5.2 13.3 7.5 -3.4 42.6 -5.7
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.8 526.8 536.7 546.6 556.4 576.3 586.3	5.504 5.432 5.323 5.232 5.136 5.045 5.002 5.005 4.942	5.462 5.390 5.281 5.189 5.092 5.001 4.958 4.957 4.895	34.072 34.087 34.096 34.095 34.104 34.103 34.103 34.124 34.137 34.147	26.886 26.906 26.926 26.936 26.964 26.969 26.981 26.981 27.011	29.182 29.249 29.316 29.373 29.438 29.495 29.546 29.665 29.726	26.881 26.901 26.921 26.931 26.959 26.959 26.964 26.976 26.991 27.006	121.9 120.1 118.2 117.2 115.5 114.6 114.2 113.2 111.8 110.4	10.714 10.836 10.955 11.073 11.189 11.304 11.419 11.533 11.645 11.756	88.8 88.8 88.8 89.3 89.4 89.4 89.4	1480.0 1479.9 1479.6 1479.4 1479.2 1479.0 1479.0 1479.3 1479.3	3251.2 3358.1 3466.2 3575.4 3685.8 3797.3 3909.9 4023.7 4138.6 4254.6	26.5 5.1 -1.1 5 2.1 17.1 6.2 16.2
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.6 655.5 675.5 685.4	4.852 4.802 4.735 4.699 4.659 4.618 4.578 4.503 4.460 4.410	4.805 4.754 4.686 4.642 4.609 4.568 4.527 4.452 4.408 4.358	34.162 34.170 34.176 34.193 34.201 34.210 34.226 34.229 34.236 34.257	27.033 27.045 27.058 27.076 27.085 27.098 27.115 27.125 27.136 27.158	29.795 29.854 29.913 29.978 30.033 30.092 30.156 30.213 30.270 30.338	27.028 27.040 27.052 27.070 27.080 27.092 27.109 27.119 27.130 27.152	108.3 107.3 106.1 104.4 103.6 102.5 100.9 99.9 99.0 96.9	11.866 11.974 12.080 12.186 12.290 12.393 12.495 12.595 12.695 12.793	89.6 89.6 89.6 89.6 89.6 89.6 89.6	1479.1 1479.1 1478.9 1479.0 1479.0 1479.0 1479.0 1478.9 1478.9	4371.7 4489.9 4609.1 4729.3 4850.6 4972.9 5096.3 5220.6 5345.9 5472.1	23.5 10.0 13.5 12.4 6.5 6.2 28.8 -3.8 17.6 12.4
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5 784.4	4.379 4.339 4.297 4.272 4.253 4.238 4.203 4.174 4.123 4.096	4.326 4.286 4.242 4.216 4.197 4.181 4.146 4.117 4.064 4.037	34.253 34.282 34.285 34.289 34.299 34.310 34.314 34.324 34.332 34.333	27.158 27.185 27.192 27.198 27.208 27.219 27.225 27.236 27.248 27.252	30.385 30.458 30.512 30.564 30.620 30.676 30.730 30.787 30.846 30.896	27.152 27.179 27.187 27.192 27.202 27.212 27.219 27.230 27.242 27.246	97.0 94.4 93.8 93.3 92.4 91.5 90.9 90.0 88.8 88.5	12.890 12.986 13.080 13.174 13.267 13.359 13.451 13.541 13.631 13.719	89.6 89.6 89.6 89.7 89.6 89.6 89.6	1478.9 1478.9 1478.9 1479.0 1479.1 1479.2 1479.2 1479.3 1479.3	5599.3 5727.5 5856.6 5986.7 6117.6 6249.5 6382.2 6515.9 6650.4 6785.8	15.9 9.7 22.0 11.2 5.0 6.8 16.2 9.2 4.5 8.0
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.077 4.071 4.028 3.980 3.983 3.948 3.955 3.914 3.870 3.855	4.018 4.011 3.967 3.918 3.921 3.885 3.891 3.850 3.805 3.789	34.343 34.347 34.362 34.365 34.371 34.382 34.381 34.388 34.400 34.402	27.262 27.265 27.282 27.289 27.294 27.306 27.305 27.315 27.329 27.332	30.952 31.001 31.064 31.118 31.168 31.227 31.271 31.328 31.388 31.438	27.256 27.260 27.276 27.283 27.287 27.300 27.299 27.308 27.322 27.325	87.6 87.4 85.9 85.1 84.7 83.9 83.0 81.7	13.807 13.895 13.981 14.067 14.152 14.236 14.320 14.403 14.486 14.567	89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6	1479.4 1479.5 1479.5 1479.5 1479.7 1479.7 1479.9 1479.9 1479.9	6922.1 7059.2 7197.2 7336.1 7475.7 7616.3 7757.6 7899.7 8042.7 8186.5	-7.5 7.7 7.7 -1.7 7.4 1.9 7.7 9.8 3.0
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.5 972.4 982.3	3.830 3.820 3.776 3.773 3.753 3.737 3.717 3.700 3.681 3.659	3.764 3.753 3.728 3.705 3.684 3.667 3.647 3.629 3.609 3.587	34.406 34.416 34.426 34.431 34.439 34.444 34.450 34.456	27.338 27.342 27.350 27.366 27.374 27.379 27.386 27.396 27.396	31.490 31.540 31.593 31.650 31.702 31.756 31.807 31.860 31.910 31.962	27.331 27.335 27.343 27.353 27.359 27.367 27.372 27.379 27.383 27.388	81.0 80.6 80.0 79.5 77.8 77.4 76.8 76.5	14.649 14.729 14.809 14.889 14.968 15.046 15.124 15.201 15.277 15.353	89.6 89.6 89.6 89.6 89.6 89.6 89.6	1480.1 1480.2 1480.3 1480.4 1480.6 1480.6 1480.7 1480.8 1480.9	8331.0 8476.4 8622.5 8769.4 8917.1 9065.6 9214.8 9364.8 9515.6 9667.1	.7 10.7 3.1 -1.0 5.1 9.2 15.4 9.2 11.6

Station	19	Latitude	31° 59.0	04'N	Longitu	ide 128°	41.38'W	23	Aug 1989	GMT 1	6:48	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sa1 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	5V m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0 1120.0 1140.0 1160.0	992.2 1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.6 1150.4 1170.2	3.643 3.562 3.562 3.488 3.452 3.419 3.388 3.353 3.312	3.570 3.539 3.486 3.445 3.410 3.372 3.338 3.306 3.270 3.227	34.461 34.472 34.477 34.481 34.488 34.505 34.505 34.508 34.512 34.517	27.401 27.413 27.422 27.429 27.438 27.447 27.458 27.464 27.471 27.478	32.013 32.117 32.219 32.319 32.420 32.520 32.624 32.721 32.820 32.921	27.495 27.415 27.422 27.431 27.439 27.451 27.456 27.462 27.471	75.5 74.5 73.7 73.1 72.3 71.6 70.5 70.1 69.5 68.8	15.429 15.579 15.727 15.873 16.018 16.162 16.304 16.445 16.584 16.723	89.6 89.6 89.6 89.6 89.6 89.6	1481.0 1481.2 1481.3 1481.5 1481.7 1481.9 1482.1 1482.3 1482.3 1482.5	9819.3 10126.0 10435.6 10748.0 11063.3 11381.5 11702.4 12026.1 12352.5 12681.6	7.8 6.3 -1.0 12.5 8.4 7.6 14.6 .5 4.1
1200.0 1220.0 1240.0 1260.0 1300.0 1300.0 1340.0 1360.0 1380.0	1189.9 1209.7 1229.4 1249.2 1269.0 1288.7 1308.5 1328.2 1348.0 1367.7	3.263 3.201 3.176 3.118 3.089 3.052 3.025 2.983 2.959 2.939	3.177 3.114 3.088 3.029 2.998 2.959 2.931 2.888 2.863 2.842	34.522 34.529 34.531 34.539 34.539 34.545 34.545 34.545 34.551	27.487 27.499 27.503 27.515 27.518 27.524 27.528 27.535 27.539 27.544	33.022 33.126 33.222 33.326 33.422 33.521 33.617 33.716 33.812 33.907	27.479 27.491 27.495 27.506 27.509 27.516 27.520 27.527 27.531 27.534	68.1 66.9 66.6 65.5 65.3 64.7 64.4 63.7	16.860 16.994 17.128 17.260 17.391 17.521 17.650 17.778 17.905 18.032	89.6 89.4 89.6 89.6 89.6 89.6 89.6	1482.8 1482.9 1483.1 1483.2 1483.6 1483.8 1483.8 1483.9 1484.2 1484.4	13013.5 13347.9 13685.0 14024.7 14367.0 14711.8 15059.1 15408.9 15761.3 16116.0	-8.2 8.5 2.4 1.2 3.0 -4.1 -4.3 -4.3
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.4 1407.2 1426.9 1446.7 1466.4 1486.1 1505.9 1525.6 1545.3 1565.0	2.903 2.878 2.848 2.819 2.775 2.745 2.715 2.660 2.660 2.642	2.805 2.778 2.747 2.716 2.671 2.640 2.583 2.551 2.532	34.558 34.564 34.564 34.570 34.575 34.578 34.578 34.578 34.580 34.580	27.550 27.557 27.560 27.568 27.580 27.578 27.583 27.586 27.590 27.595	34.006 34.105 34.200 34.299 34.403 34.493 34.591 34.685 34.781 34.877	27.542 27.548 27.551 27.559 27.570 27.568 27.574 27.576 27.580 27.585	62.5 61.6 60.9 59.8 60.5 59.3 58.9 58.5	18.157 18.282 18.405 18.528 18.649 18.769 18.889 19.007 19.126 19.243	89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5	1484.6 1484.8 1485.0 1485.3 1485.6 1485.8 1486.0 1486.2 1486.5	16473.3 16832.9 17195.0 17559.5 17926.3 18295.5 18667.0 19040.8 19416.9 19795.3	2.1 3.9 6.0 4.2 7.8 -3.4 1.3 3.1 6.9
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.5 1624.2 1643.9 1663.6 1683.3 1703.1 1722.8 1742.5 1762.2	2.614 2.592 2.559 2.523 2.489 2.459 2.434 2.384 2.357	2.502 2.479 2.445 2.407 2.372 2.341 2.314 2.292 2.262 2.234	34.585 34.588 34.588 34.593 34.602 34.602 34.604 34.606 34.608	27.598 27.602 27.605 27.612 27.623 27.622 27.627 27.631 27.635 27.638	34.972 35.068 35.163 35.262 35.364 35.456 35.553 35.647 35.743 35.838	27.588 27.593 27.596 27.603 27.613 27.612 27.617 27.621 27.625 27.628	58.2 57.6 57.6 56.9 55.0 55.2 54.5	19.360 19.476 19.591 19.705 19.819 19.931 20.042 20.153 20.263 20.372	89.5 89.4 89.4 89.5 89.5 89.4	1486.7 1487.0 1487.2 1487.3 1487.5 1487.7 1488.0 1488.2 1488.4 1488.6	20176.0 20558.9 20944.1 21331.5 21721.1 22112.9 22506.9 22903.0 23301.3 23701.6	7.3 2.3 -8.8 6 9.9 2.3 5.9 -1.2 10.9 8.2
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1919.8 1939.4 1959.1	2.333 2.309 2.292 2.271 2.243 2.211 2.187 2.169 2.144 2.130	2.208 2.183 2.164 2.142 2.113 2.079 2.055 2.035 2.009 1.993	34.610 34.612 34.614 34.614 34.620 34.620 34.621 34.623 34.625	27.642 27.646 27.649 27.651 27.657 27.661 27.664 27.667 27.670	35.934 36.029 36.123 36.217 36.313 36.410 36.504 36.599 36.693 36.785	27.632 27.636 27.639 27.641 27.646 27.650 27.653 27.656 27.660 27.661	54.1 53.7 53.5 53.3 52.8 52.3 52.1 51.8 51.4 51.3	20.481 20.589 20.696 20.803 20.909 21.014 21.118 21.222 21.325 21.428	89.5 89.4 89.4 89.5 89.4 89.4	1488.9 1489.1 1489.4 1489.6 1489.0 1490.0 1490.3 1490.5 1490.8	24104.1 24508.7 24915.3 25324.1 25734.8 26147.7 26562.5 26979.3 27398.2 27819.0	2.7 5.1 7.4 1.9 -1.6 4.0 -3.6
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2300.0 2350.0 2400.0 2450.0	1978.8 2028.0 2077.2 2126.4 2175.6 2224.7 2273.9 2323.0 2372.1 2421.2	2.111 2.067 2.008 1.967 1.945 1.911 1.881 1.853 1.823	1.973 1.925 1.863 1.819 1.792 1.754 1.720 1.689 1.655 1.629	34.629 34.639 34.638 34.640 34.644 34.646 34.650 34.654 34.655	27.676 27.681 27.690 27.696 27.699 27.705 27.710 27.715 27.721 27.724	36.881 37.113 37.350 37.583 37.812 38.044 38.275 38.506 38.737 38.965	27.665 27.669 27.678 27.685 27.687 27.693 27.698 27.703 27.708 27.711	50.9 50.6 49.6 49.1 48.9 48.0 47.5 47.1 46.9	21.530 21.783 22.033 22.280 22.525 22.768 23.008 23.247 23.484 23.719	89.4 89.4 89.4 89.4 89.4 89.5 89.4	1491.3 1491.9 1492.5 1493.2 1493.2 1493.6 1495.3 1496.1 1496.8 1497.5	28241.9 29307.5 30385.2 31474.9 32576.5 33689.7 34814.6 35951.0 37098.8 38257.9	2.0 -1.2 1.1 4.1 1.2 6.5 1.6 3.1
2500.0 2550.0 2600.0 2700.0 2750.0 2850.0 2850.0 2950.0 2954.0	2470.3 2519.4 2568.5 2617.6 2666.6 2715.7 2764.7 2862.7 2911.7 2954.9	1.778 1.748 1.732 1.711 1.691 1.674 1.656 1.635 1.617 1.603	1.602 1.567 1.547 1.522 1.498 1.477 1.454 1.430 1.407 1.389	34.657 34.660 34.661 34.665 34.665 34.667 34.669 34.673 34.673 34.674	27.727 27.733 27.735 27.738 27.742 27.745 27.748 27.752 27.754 27.757	39.193 39.424 39.650 39.878 40.105 40.331 40.557 40.785 41.010 41.235 41.433	27.714 27.719 27.721 27.725 27.728 27.730 27.733 27.737 27.739 27.742 27.743	46.6 46.1 46.0 45.5 45.4 45.1 44.8 44.7 44.5	23.952 24.184 24.414 24.644 24.872 25.099 25.325 25.550 25.773 25.996 26.192	89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4	1498.3 1499.0 1499.8 1500.5 1501.3 1502.1 1502.8 1503.6 1504.4 1505.2 1505.9	39428.2 40609.7 41802.3 43005.9 44220.4 45445.8 46682.0 47929.0 49186.7 50455.0 51579.9	2.1 -1.7 1.6 4 2.3 1.4 3.5

Station	20	Latitude	32. 12	.37'N	Longi	tude 128°	33 21/6	•	2 20- 100	n cwm 1	20:17	Bottom	442E -
Pres.	Depth	Temp.	Pot.T.	Sal	Sigma-	9 Sigma-z	Sigma-t	Delta	Dyn. Ht			TF	N ²
-0 10.0	.0 10.0	°C 19.938 19.939	°C 19.938 19.937	0/00 33.769 33.766	kg/m ³ 23.840 23.839	kg/m ³ 23.840	kg/m ³ 23.840	10 ⁸ m ³ /k	.000	0/0 89.1	1520.5	m ³ /s ²	.0
20.0 30.0	19.9 29.9	19.933 19.966	19.929	33.810 33.889	23.874 23.926	23.882 23.961 24.056	23.838 23.873 23.924	405.8 402.8 398.2	.405 .810 1.211	89.1 89.0 89.2	1520.7 1520.9 1521.2	2.0 8.1 18.2	23.8 53.8 104.4
40.0 50.0 60.0	39.9 49.8 59.8	19.820 19.611 18.277	19.813	33.959 33.993	24.018 24.099	24.191 24.315	24.016 24.096	389.8 382.5	1.605 1.992	88.9 89.1	1521.1 1520.7	32.2 50.1	127.8 94.4
70.0 80.0	69.8 79.7	17.469 17.047	18.267 17.458 17.034	34.097 34.146 34.107	24.516 24.751 24.822	24.777 25.056 25.172	24.514 24.748 24.819	343.0 321.0 314.4	2.356 2.687 3.005	89.0 89.1 89.3	1517.2 1515.1 1513.9	71.8 97.0 125.3	149.2 103.4 87.0
90.0	89.7 99.7	16.868	16.853	34.161 34.148	24.906 25.005	25.299 25.443	24.902 25.001	306.8 297.6	3.315	89.3 89.4	1513.6 1512.3	156.8 191.3	121.2
110.0 120.0 130.0	109.6 119.6 129.5	16.064 15.862 15.032	16.046 15.843 15.012	34.105 34.158 34.100	25.050 25.136 25.276	25.532 25.663 25.849	25.046 25.132 25.272	293.6 285.7 272.5	3.914 4.204 4.484	89.4 89.4 89.5	1511.4 1511.0 1508.5	228.8 269.2 312.4	43.5 111.7 99.8
140.0 150.0 160.0	139.5 149.4 159.4	14.385 13.692 13.053	14.365 13.671 13.031	34.032 33.963 33.919	25.363 25.455	25.982 26.119	25.359 25.450	264.4 255.8	4.753 5.016	89.7 89.7	1506.5 1504.3	358.4 407.0	4.3 163.2
170.0 180.0	169.3 179.3	12.325 11.782	12.302 11.759	33.845 33.820	25.550 25.635 25.718	26.260 26.393 26.522	25.545 25.631 25.714	246.9 238.8 231.0	5.268 5.511 5.746	89.8 89.8 89.8	1502.3 1499.9 1498.2	458.2 511.8 567.8	92.2 84.1 59.7
190.0 200.0 210.0	189.2 199.1 209.1	10.982 10.558 10.230	10.958	33.804	25.852 25.900	26.704 26.799	25.848 25.896	218.2 213.7	5.971 6.187	89.9 89.8	1495.5 1494.1	626.1 686.5	-3.7 58.3
220.0 230.0	219.0 229.0	9.943 9.662	10.206 9.918 9.637	33.816 33.814 33.855	25.993 26.040 26.119	26.937 27.031 27.156	25.988 26.036 26.115	205.0 200.6 193.2	6.396 6.597 6.793	89.9 89.9 89.9	1493.1 1492.2 1491.4	749.0 813.6 880.2	27.8 53.2 21.0
240.0 250.0 260.0	238.9 248.8 258.8	9.525 9.369 9.087	9.498 9.341 9.059	33.917 33.944 33.975	26.190 26.237 26.306	27.273 27.366 27.482	26.186 26.233 26.302	186.6 182.3 175.8	6.984 7.169	89.8 89.9 89.8	1491.2 1490.8	948.7 1019.0	60.8 72.5
270.0 280.0 290.0	268.7 278.6 288.6	8.888 8.611 8.394	8.859 8.581 8.364	34.008 34.023 34.017	26.364 26.419 26.447	27.585 27.688 27.762	26.359 26.415 26.443	170.5 165.3 162.7	7.348 7.521 7.689 7.852	89.8 89.8	1489.9 1489.4 1488.5	1091.1 1165.0 1240.5	33.8 65.4 10.9
300.0 310.0	298.5 308.4	8.225 8.118	8.194 8.087	34.043 34.020	26.494 26.492	27.855 27.899	26.489 26.487	158.3 158.6	8.013 8.172	89.7 89.6 89.4	1487.9 1487.4 1487.1	1317.7 1396.5 1476.9	-10.3 4.9 53.2
320.0 330.0 340.0	318.4 328.3 338.2	7.993 7.760 7.673	7.961 7.727 7.639	34.023 34.047 34.027	26.512 26.566 26.562	27.966 28.066 28.109	26.507 26.561 26.557	156.8 151.8	8.329 8.482	89.1 88.7	1486.8 1486.1	1558.8 1642.3	55.3 .8
350.0 360.0	348.2 358.1	7.510 7.353	7.476 7.319	34.036 34.044	26.593 26.622	28.186 28.262	26.588 26.617	152.2 149.3 146.6	8.634 8.785 8.933	88.2 87.6 86.9	1485.9 1485.5 1485.0	1727.3 1813.8 1901.7	42.6 36.5 25.6
370.0 380.0 390.0	368.0 377.9 387.9	7.161 6.980 6.816	7.126 6.944 6.780	34.040 34.045 34.029	26.645 26.674 26.684	28.332 28.408 28.465	26.641 26.669 26.679	144.4 141.7 140.8	9.078 9.222 9.363	86.1 85.4 84.8	1484.4 1483.9 1483.4	1991.1 2082.0 2174.2	31.4 43.1 3
400.0 410.0 420.0	397.8 407.7 417.6	6.716 6.509	6.679 6.472	34.036 34.044	26.703 26.737	28.530 28.612	26.698 26.732	139.1 135.8	9.503 9.641	84.2 83.6	1483.2 1482.5	2267.8 2362.8	33.4 25.5
430.0 440.0	427.6 437.5	6.369 6.181 6.098	6.331 6.143 6.060	34.037 34.044 34.047	26.750 26.779 26.792	28.671 28.749 28.808	26.745 26.774 26.787	134.6 131.7 130.6	9.776 9.909 10.040	83.1 82.7 82.2	1482.1 1481.5 1481.4	2459.2 2556.8 2655.8	51.8 29.2 4.9
450.0 460.0 470.0	447.4 457.3 467.3	5.932 5.821 5.707	5.894 5.782 5.668	34.042 34.042 34.037	26.809 26.823 26.833	28.872 28.933 28.990	26.804	129.0 127.6	10.170 10.299	81.9	1480.9 1480.6	2756.1 2857.6	-12.7 18.3
480.0 490.0	477.2 487.1	5.660 5.628	5.620 5.587	34.032 34.055	26.835 26.857	29.038 29.107	26.828 26.830 26.852	126.7 126.6 124.6	10.426 10.552 10.678	81.4 81.4 81.3	1480.3 1480.3 1480.3	2960.4 3064.5 3169.8	3.1 2.5 19.5
500.0 510.0 520.0	497.0 506.9 516.8	5.516 5.427 5.333	5.475 5.385 5.290	34.067 34.067 34.066	26.880 26.890 26.901	29.176 29.234 29.291	26.875 26.885 26.896	122.5 121.5 120.5	10.802	81.3 81.3	1480.0 1479.8	3276.3 3384.1	7.7
530.0 540.0	526.8 536.7	5.255 5.164	5.212 5.120	34.071 34.076	26.914 26.929	29.351 29.413	26.909 26.924	119.3 117.9	11.045 11.165 11.284	81.4 84.4 84.8	1479.6 1479.5 1479.3	3493.0 3603.2 3714.5	-10.4 45.8 26.7
550.0 560.0 570.0	546.6 556.5 566.4	5.094 5.035 4.942	5.050 4.990 4.897	34.085 34.088 34.098	26.944 26.953 26.972	29.475 29.530 29.596	26.940 26.948 26.967	116.4 115.7 113.9	11.401 11.517 11.632	85.2 85.6 86.0	1479.2 1479.1 1478.9	3826.9 3940.6 4055.3	13.5 -3.7 7.7
580.0 590.0	576.3 586.3	4.922 4.900	4.876 4.854	34.107 34.118	26.981 26.992	29.651 29.708	26.976 26.987	113.1 112.1	11.745	86.5 87.0	1479.0 1479.1	4171.2 4288.2	3.3
600.0 610.0 620.0	596.2 606.1 616.0	4.849 4.818 4.770	4.802 4.771 4.722	34.129 34.143 34.149	27.008 27.021 27.032	29.770 29.830 29.887	27.002 27.016 27.027	110.8 109.5 108.6	11.969 12.079 12.189	87.4 87.8 88.3	1479.0 1479.1 1479.1	4406.3 4525.5	16.8
630.0 640.0 650.0	625.9 635.8 645.7	4.731 4.671	4.682 4.621 4.550	34.157 34.182	27.043 27.069	29.944 30.017	27.038 27.063	107.6 105.2	12.297 12.403	88.5 88.9	1479.1 1479.0	4645.8 4767.1 4889.5	5.6 12.4 40.2
660.0 670.0	655.6 665.5 675.5	4.600 4.566 4.544	4.515	34.188 34.192 34.210	27.082 27.089 27.106	30.077 30.130 30.193	27.076 27.084 27.100	103.9 103.3 101.8	12.508 12.612 12.715	89.2 89.3 89.4	1478.9 1478.9 1479.0	5012.9 5137.4 5262.9	8.3 5 27.3
680.0 690.0	685.4	4.500 4.461	4.448	34.223	27.121 27.130	30.254	27.115 27.125	100.5 99.6	12.816 12.916	89.4 89.4	1479.0 1479.0	5389.4 5516.8	-1.7
700.0 710.0 720.0	695.3 705.2 715.1	4.397 4.380 4.327	4.344 4.326 4.272 4.237	34.245 34.252 34.259	27.149 27.157 27.168	30.376 30.430 30.487	27.144 27.151 27.162	97.8 97.1 96.1	13.015 13.113 13.209	89.4 89.4 89.6	1478.9 1479.1 1479.0	5645.3 5774.7 5905.1	9.1 19.1 -1.7
730.0 740.0 750.0	725.0 734.9 744.8	4.292 4.282 4.259	4.237 4.226 4.202	34.272 34.282 34.295	27.182 27.192 27.204	30.548 30.603 30.662	27.176 27.186 27.198	94.8 94.0 92.9	13.305 13.399 13.493	89.4 89.5 89.6	1479.0 1479.2	6036.4 6168.7	10.6 15.9
760.0 770.0	754.7 764.6	4.240 4.205	4.182 4.147	34.299 34.306	27.209 27.219	30.713 30.769	27.203 27.213 27.220	92.5 91.6	13.585 13.677 13.769	89.4 89.5	1479.3 1479.4 1479.4	6301.8 6435.9 6570.9	17.6 14.4 8.9
780.0 790.0 800.0	774.5 784.4 794.3	4.177 4.164 4.142	4.118 4.104 4.082	34.312 34.314	27.227 27.230	30.823	27.224	91.0 90.7	13.859	89.5 89.6	1479.4		2.4 -10.5
810.0 820.0	804.2 814.1	4.137 4.116	4.076 4.054	34.323 34.326 34.341	27.240 27.242 27.256	30.928 30.976 31.037	27.233 27.236 27.250 27.263	89.9 89.7 88.4	14.129	89.6 89.6 89.5	1479.6 1479.8 1479.9	6981.3 7119.8 7259.3	-3.4 3.6 26.5
830.0 840.0 850.0	824.0 833.9 843.8	4.090 4.081 4.062	4.028 4.018 3.998	34.353 34.353 34.363	27.269 27.270 27.280	31,142	27.263 27.263 27.273	87.3 87.3 86.4	14.216 14.304 14.390	89.4 89.5 89.4	1479.9 1480.1 1480.2	7399.6 7540.7 7682.7	1.0 2.2 12.7
860.0 870.0 880.0	853.7 863.6 873.5	4.051 4.037 4.023	3.986 3.972 3.957	34.368 34.372	27.285	31.249	27.278 27.283	86.0 85.6	14.477 14.562	89.6 89.5	1480.3 1480.4	7825.6 7969.3	8.3
890.0 900.0	883.4 893.3	3.999	3.932	34.377 34.385 34.394	27.295 27.304 27.315		27.288 27.297 27.308	84.4	14.648 14.733 14.816	89.4 89.5 89.4	1480.5 1480.6 1480.6	8113.9 8259.3 8405.5	4.0 14.2
910.0 920.0 930.0	903.2 913.1 923.0	3.947 3.929 3.911	3.879 3.861 3.842	34.402 34.407 34.412	27.323 27.329 27.335	31.570	27.308 27.316 27.322	82.7 82.2	14.899 14.982	89.4 89.4	1480.7 1480.8	8552.5 8700.3	4.0 -6.3 -1.0
940.0 950.0	932.9 942.8	3.881 3.867	3.812 3.797	34.421 34.426	27.345 27.350	31.678 31.729	27.328 27.338 27.343	80.8	15.145 15.225	89.6 89.5 89.5	1480.9 1481.0 1481.1	8849.0 8998.4 9148.7	5.2 10.1 2.8
960.0 970.0 980.0	952.7 962.5 972.4	3.845 3.828 3.808	3.774 3.756 3.736	34.432 34.435 34.441	27.357 27.362 27.368	31.782 31.833	27.350 27.354 27.361	79.7 79.4	15.305 15.385	89.5 89.6	1481.2 1481.3	9299.7 9451.5	10.4 6.6
990.0	982.3	3.789	3.715	34.444	27.373		27.366	78.4		89.5 89.5	1481.4 1481.4	9604.1 9757.4	9.6 6.6

Station	20	Latitude	32° 12.3°	7'N	Longitu	de 128°	33.21'W	23	Aug 1989	GMT 20	2:17	Bottom	4425 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma -0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Rt J/kg	LTR 0/0	SV m/s	m3/s2	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0 1120.0 1140.0 1160.0	992.2 1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.6 1150.4 1170.2	3.758 3.708 3.667 3.518 3.587 3.537 3.487 3.440 3.396 3.341	3.684 3.633 3.591 3.541 3.508 3.457 3.406 3.358 3.312 3.256	34.450 34.458 34.463 34.472 34.486 34.486 34.492 34.506 34.514	27.381 27.393 27.400 27.412 27.422 27.432 27.441 27.451 27.462 27.473	31.990 32.095 32.195 32.299 32.401 32.503 32.605 32.707 32.810 32.914	27.373 27.385 27.393 27.405 27.414 27.424 27.434 27.443 27.454 27.455	77.7 76.6 76.0 74.9 74.1 73.2 72.3 71.5 70.5	15.620 15.774 15.927 16.077 16.226 16.373 16.519 16.663 16.805 16.944	89.4 89.4 89.4 89.4 89.4 89.4	1481.5 1481.6 1481.8 1481.9 1482.1 1482.2 1482.4 1482.5 1482.7 1482.8	9911.5 10222.0 10535.5 10852.0 11171.4 11493.6 11818.8 12146.8 12477.5 12811.0	16.6 4.9 9.3 13.7 5.2 4.9 4.4 9.9 12.6 2.3
1200.0 1220.0 1240.0 1260.0 1300.0 1300.0 1320.0 1340.0 1360.0	1189.9 1209.7 1229.4 1249.2 1269.0 1288.7 1308.5 1328.2 1348.0 1367.7	3.294 3.251 3.215 3.184 3.143 3.095 3.057 3.024 2.981 2.946	3.208 3.163 3.126 3.094 3.052 3.003 2.963 2.929 2.885 2.848	34.521 34.523 34.529 34.527 34.533 34.539 34.540 34.541 34.551 34.550	27.484 27.489 27.498 27.507 27.517 27.521 27.525 27.537 27.540	33.018 33.115 33.216 33.309 33.410 33.512 33.608 33.704 33.808 33.903	27.476 27.481 27.489 27.491 27.508 27.513 27.517 27.528 27.531	68.4 68.0 67.2 66.4 65.1 64.8 63.7 63.5	17.083 17.219 17.355 17.489 17.622 17.754 17.885 18.014 18.143 18.270	89.4 89.5 89.4 89.4 89.4 89.4	1482.9 1483.1 1483.3 1483.4 1483.6 1483.7 1484.1 1484.3 1484.4	13147.2 13486.1 13827.7 14171.9 14518.7 14868.1 15220.0 15574.5 15931.5 16290.9	11.7 2.3 7.3 -1.1 7.4 2.1 1.5 2.7 13.6
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.4 1407.2 1426.9 1446.7 1466.4 1486.1 1505.8 1525.6 1545.3 1565.0	2.913 2.878 2.839 2.801 2.775 2.743 2.717 2.681 2.660 2.629	2.814 2.778 2.738 2.698 2.671 2.638 2.610 2.573 2.551 2.518	34.555 34.558 34.559 34.565 34.568 34.570 34.572 34.576 34.577 34.581	27.546 27.552 27.557 27.565 27.569 27.574 27.579 27.584 27.587 27.587	34.002 34.100 34.197 34.297 34.393 34.490 34.586 34.684 34.779 34.877	27.538 27.544 27.548 27.556 27.565 27.565 27.569 27.575 27.578 27.584	62.8 62.3 61.9 61.1 60.7 60.3 59.4 59.2 58.6	18.396 18.521 18.645 18.768 18.890 19.011 19.131 19.251 19.369 19.487	89.4 89.4 89.4 89.4 89.4 89.4 89.4	1484.6 1484.8 1485.0 1485.2 1485.4 1485.8 1486.0 1486.2 1486.5	16652.9 17017.2 17384.0 17753.2 18124.8 18498.8 18875.0 19253.6 19634.6 20017.8	3.9 3.3 4.5 8.9 5.7 1.6 1.7 -2.2 4.0
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.5 1624.2 1643.9 1663.6 1683.3 1703.1 1722.8 1742.5 1762.2	2.595 2.574 2.552 2.517 2.484 2.440 2.413 2.390 2.357 2.333	2.322 2.293 2.270 2.235	34.584 34.587 34.589 34.591 34.596 34.597 34.599 34.600 34.603	27.599 27.603 27.607 27.611 27.618 27.622 27.627 27.629 27.634 27.638	34.974 35.070 35.165 35.261 35.360 35.457 35.553 35.647 35.744 35.839	27.589 27.593 27.597 27.601 27.608 27.612 27.617 27.619 27.624 27.628	58.1 57.7 57.4 57.0 56.3 55.9 55.4 55.4 54.4	19.603 19.719 19.834 19.948 20.062 20.174 20.285 20.396 20.505 20.614	89.4 89.5 89.4 89.4 89.4 89.4	1486.6 1486.9 1487.1 1487.3 1487.5 1487.7 1487.9 1488.1 1488.3 1488.5	20403.2 20791.0 21181.0 21573.1 21967.5 22364.1 22762.9 23163.8 23566.8 23971.9	7.0 -5.9 11.1 5.5 -6.5 -7.6 6.9 8.8
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1919.8 1939.4 1959.1	2.304 2.277 2.245 2.225 2.201 2.182 2.152 2.123 2.101 2.090	2.118 2.097 2.072 2.052 2.019 1.990 1.966	34.607 34.610 34.612 34.613 34.616 34.618 34.621 34.623 34.623 34.625	27.642 27.647 27.652 27.654 27.658 27.662 27.666 27.670 27.674	35.935 36.031 36.128 36.222 36.318 36.412 36.508 36.604 36.699 36.792	27.632 27.636 27.642 27.644 27.651 27.656 27.660 27.663 27.665	54.0 53.5 53.0 52.8 52.4 52.1 51.7 51.3 50.9	20.723 20.830 20.937 21.042 21.147 21.252 21.356 21.459 21.561 21.662	89.4 89.4 89.4 89.4 89.4 89.4	1488.7 1489.0 1489.2 1489.4 1489.7 1489.9 1490.1 1490.6 1490.9	24379.2 24788.5 25199.9 25613.3 26028.8 26446.3 26865.8 27287.3 27710.8 28136.3	7.7 4.2 1.0 8.0 3.7 4 3.1
2000.0 2050.0 2100.0 2150.0 2200.0 2350.0 2350.0 2400.0 2450.0	1978.8 2028.0 2077.2 2126.4 2175.6 2224.7 2273.9 2323.0 2372.1 2421.2	2.072 2.023 1.985 1.947 1.917 1.894 1.866 1.836 1.813 1.787	1.882 1.840 1.799 1.765 1.737 1.706 1.672	34.627 34.634 34.637 34.640 34.644 34.646 34.648 34.652 34.653 34.657	27.678 27.687 27.693 27.699 27.705 27.708 27.712 27.718 27.721 27.726	36.885 37.122 37.354 37.588 37.819 38.049 38.278 38.510 38.738 38.968	27.668 27.676 27.682 27.688 27.693 27.696 27.700 27.705 27.708 27.713	50.5 49.2 48.7 48.2 48.0 47.2 47.0 46.6	21.764 22.014 22.261 22.506 22.749 22.989 23.228 23.465 23.701 23.934	89.4 89.4 89.4 89.4 89.4 89.4	1491.1 1491.7 1492.4 1493.1 1493.8 1494.6 1495.3 1496.0 1496.7 1497.5	28563.7 29640.7 30729.7 31830.5 32943.1 34067.3 35202.9 36350.1 37508.5 38678.2	-2.2 3.2 2.6 3.3 -1.5 -1.6 -1.0 2.6
2500.0 2550.0 2600.0 2700.0 2750.0 2850.0 2850.0 2950.0	2470.3 2519.4 2568.5 2617.6 2666.6 2715.6 2764.7 2813.7 2862.7 2911.7	1.767 1.750 1.729 1.711 1.690 1.672 1.653 1.639 1.624 1.608	1.569 1.544 1.522 1.497 1.475 1.452 1.433	34.658 34.660 34.661 34.665 34.667 34.667 34.669 34.671 34.671 34.674	27.729 27.732 27.735 27.739 27.743 27.745 27.748 27.751 27.752	39.196 39.423 39.650 39.878 40.106 40.332 40.558 40.783 41.008 41.235	27.716 27.719 27.722 27.726 27.729 27.731 27.733 27.736 27.737 27.741	46.4 46.2 46.7 45.4 45.3 44.9 44.8 44.5	24.167 24.398 24.628 24.857 25.085 25.312 25.538 25.763 25.986 26.210	89.4 89.4 89.4 89.4 89.4 89.4	1498.2 1499.0 1499.8 1500.5 1501.3 1502.1 1502.8 1503.6 1504.4 1505.2	39859.1 41051.1 42254.1 43468.1 44693.1 45928.9 47175.5 48432.9 49701.0 50979.8	3.0 -2.5 7 2.8 1.7 -1.2 6
3000.0 3050.0 3100.0 3100.0	2960.7 3009.7 3058.6 3058.6	1.596 1.581 1.573 1.573	1.357 1.345	34.675 34.677 34.679 34.679	27.758 27.761 27.764 27.764	41.458 41.683 41.907 41.907	27.743 27.745 27.747 27.747	44.5 44.3 44.2 44.2	26.432 26.654 26.876 26.876	89.4 89.4 89.4 89.4	1506.0 1506.8 1507.6 1507.6	52269.2 53569.2 54879.8 54879.8	-1.3 .0 .0

Station	21	Latitude	32° 25	.21'N	Longit	ude 128°	25.22'W	2	4 Aug 1989	GMT 0	0:04	Bottom	
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-€ kg/m ³	kg/m ³	kg/m ³	Delta 10 ⁸ m ³ /k		LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.9 49.8 59.8 69.8 79.7	19.918 19.899 19.788 19.718 19.623 19.572 18.330 17.186 16.813 16.683	19.918 19.897 19.785 19.712 19.616 19.563 18.319 17.174 16.800 16.669	33.742 33.788 33.877 33.857 33.844 33.909 34.091 34.015 34.015	23.825 23.866 23.963 23.967 23.982 24.045 24.718 24.844	23.825 23.909 24.049 24.097 24.155 24.261 24.762 25.178 25.238	23.825 23.865 23.965 23.965 24.042 24.496 24.715 24.825 24.840	406.7 403.2 394.4 394.3 393.3 387.6 344.7 324.0 313.8 312.6	.000 .405 .804 1.199 1.592 1.984 2.358 2.691 3.009 3.322	90.2 90.2 89.8 90.2 90.1 90.2 90.2 90.3 90.4	1520.4 1520.6 1520.5 1520.5 1520.4 1520.5 1517.3 1514.1 1513.1 1512.9	.0 2.0 8.1 18.0 32.0 49.8 71.4 96.6 125.0	35.4 38.4 33.5 8.0 145.0 538.4 209.1 70.5 44.5
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3	16.367 16.074 15.690 15.559 14.410 13.409 12.820 12.245 11.832 11.182	16.351 16.057 15.671 15.539 14.389 13.388 12.798 12.223 11.809 11.159	34.114 34.092 33.999 34.132 34.133 34.032 33.960 33.932 33.862 33.923	24.986 25.037 25.052 25.185 25.420 25.665 25.628 25.718 25.742 25.908	25.425 25.519 25.580 25.756 26.039 26.231 26.339 26.476 26.545 26.759	24.983 25.033 25.049 25.180 25.561 25.624 25.714 25.737 25.904	299.4 294.8 293.6 281.3 258.9 245.2 239.4 239.4 239.8 213.0	3.629 3.927 4.221 4.508 4.777 5.030 5.273 5.510 5.739 5.960	90.5 90.5 90.7 90.8 90.9 91.0 91.2 91.1	1512.2 1511.4 1510.3 1510.2 1506.7 1503.5 1501.6 1498.4 1496.3	191.1 228.7 269.3 312.7 359.0 407.8 459.0 512.6 568.6 626.8	101.5 21.0 115.8 140.6 27.1 44.2 115.3 143.6 96.6 65.5
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 228.9 238.9 248.8 258.8 268.7 278.6 288.6	10.693 10.148 9.786 9.438 9.264 9.039 8.812 8.718 8.472 8.204	10.670 10.124 9.761 9.412 9.238 9.012 8.784 8.689 8.443 8.174	33.843 33.904 33.888 33.921 33.965 34.026 34.026 34.026 34.049	25.934 26.076 26.124 26.208 26.270 26.389 26.405 26.461 26.499	26.831 27.021 27.115 27.246 27.354 27.455 27.566 27.627 27.730 27.816	25.929 26.072 26.120 26.265 26.320 26.385 26.400 26.456 26.495	210.6 197.1 192.6 184.8 179.0 173.9 166.5 161.3 157.6	6.172 6.378 6.572 6.760 6.941 7.116 7.287 7.454 7.616 7.775	91.2 91.2 91.2 91.2 91.1 91.1 91.1 91.1	1494.7 1492.9 1491.8 1490.7 1490.3 1489.6 1488.8 1488.0 1487.2	687.1 749.5 813.8 880.1 948.2 1018.0 1089.6 1162.8 1237.6 1314.1	30.8 108.0 60.0 99.1 35.6 6.5 73.0 65.1 17.3 17.5
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.1 358.1 368.0 377.9 387.9	8.043 7.762 7.453 7.219 7.103 6.958 6.760 6.613 6.491 6.326	8.012 7.731 7.423 7.188 7.071 6.925 6.727 6.579 6.457 6.291	34.038 34.045 34.047 34.043 34.033 34.041 34.033 34.019 34.026 34.029	26.517 26.563 26.609 26.639 26.648 26.674 26.694 26.703 26.725 26.749	27.879 27.973 28.067 28.144 28.199 28.272 28.339 28.463 28.534	26.513 26.559 26.605 26.635 26.643 26.670 26.690 26.698 26.720 26.744	156.0 151.6 147.2 144.4 143.7 141.2 139.3 138.5 136.5	7.932 8.085 8.234 8.379 8.523 8.666 8.806 8.945 9.083 9.218	91.0 91.0 90.9 90.8 90.8 90.7 90.5 90.1	1486.7 1485.8 1484.8 1484.0 1483.7 1483.3 1482.7 1482.3 1481.9 1481.5	1392.1 1471.6 1552.6 1635.1 1719.0 1804.3 1891.1 1979.2 2068.6 2159.5	50.3 4.9 75.7 4.5 41.9 30.8 23.4 -3.3 12.2 14.8
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.6 427.5 437.5 447.4 457.3 467.2 477.1 487.1	6.234 6.205 6.046 5.890 5.779 5.765 5.655 5.618 5.523	6.199 6.169 6.009 5.854 5.727 5.665 5.615 5.578 5.482	34.018 34.023 34.040 34.035 34.050 34.057 34.057 34.066 34.070 34.094	26.752 26.759 26.793 26.808 26.820 26.836 26.849 26.862 26.870 26.900	28.584 28.637 28.718 28.781 28.839 28.961 28.961 28.961 29.020 29.074 29.151	26.747 26.754 26.788 26.804 26.816 26.831 26.845 26.858 26.865 26.896	134.0 133.4 130.2 128.7 127.6 126.3 125.1 123.9 123.3 120.4	9.352 9.485 9.617 9.746 9.874 10.002 10.127 10.251 10.374 10.496	89.6 89.3 88.9 88.5 87.8 87.4 87.2 86.9 86.8	1481.2 1481.3 1480.8 1480.4 1480.1 1480.2 1480.1 1480.1 1479.9	2251.6 2345.1 2439.9 2535.9 2633.3 2731.9 2831.7 2932.8 3035.1 3138.6	2.8 1.4 16.9 16.2 -5.1 42.6 31.3 28.8 29.7
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.8 526.7 536.7 546.6 556.5 566.4 576.3	5.462 5.433 5.318 5.194 5.198 5.004 4.931 4.869 4.833 4.790	5.421 5.391 5.276 5.151 5.155 4.960 4.886 4.824 4.788 4.743	34.085 34.081 34.091 34.107 34.106 34.117 34.122 34.123 34.135	26.901 26.901 26.923 26.937 26.949 26.971 26.989 26.999 27.004 27.019	29.198 29.244 29.313 29.375 29.432 29.502 29.566 29.624 29.675 29.736	26.896 26.918 26.932 26.944 26.966 26.983 26.994 26.999 27.014	120.5 120.5 118.5 117.1 116.0 113.9 112.2 111.2 110.9	10.617 10.737 10.856 10.974 11.090 11.205 11.317 11.429 11.540 11.650	86.8 87.1 87.2 87.5 87.9 88.2 88.5 88.9 89.2	1479.8 1479.9 1479.6 1479.2 1479.5 1478.8 1478.6 1478.6 1478.6	3243.3 3349.2 3456.3 3564.5 3673.9 3784.5 3896.1 4008.9 4122.7 4237.7	31.7 28.2 -8.4 15.0 47.8 8.0 15.6 -2.0 24.9 12.0
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.1 606.0 616.0 625.9 635.8 645.7 645.6 665.5 675.4 685.3	4.720 4.679 4.641 4.620 4.616 4.512 4.469 4.430 4.394 4.369	4.673 4.632 4.593 4.571 4.566 4.462 4.419 4.379 4.343 4.316	34.149 34.148 34.158 34.160 34.186 34.202 34.210 34.213 34.230 34.234	27.037 27.042 27.053 27.058 27.079 27.103 27.114 27.120 27.138 27.144	29.802 29.852 29.910 29.961 30.027 30.099 30.156 30.209 30.274 30.325	27.032 27.036 27.048 27.052 27.073 27.098 27.108 27.115 27.133 27.138	107.8 107.4 106.4 106.0 104.2 101.8 100.9 100.3 98.6 98.2	11.759 11.866 11.973 12.079 12.184 12.287 12.389 12.490 12.589 12.687	89.8 90.0 90.2 90.4 90.5 90.6 90.6 90.7	1478.5 1478.5 1478.6 1478.6 1478.8 1478.5 1478.5 1478.5 1478.6 1478.7	4353.7 4470.8 4588.9 4708.1 4828.4 4949.6 5071.9 5195.1 5319.4 5444.6	18.2 -3.5 2.7 30.5 38.4 15.0 20.8 12.9
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0	695.2 705.1 715.0 725.0 734.8 754.7 764.6 774.5 784.4	4.343 4.320 4.310 4.353 4.329 4.329 4.2261 4.215 4.176	4.290 4.266 4.255 4.298 4.283 4.272 4.237 4.203 4.156 4.117	34.243 34.260 34.278 34.287 34.287 34.296 34.309 34.322 34.330 34.342	27.154 27.170 27.171 27.181 27.190 27.198 27.211 27.226 27.237 27.251	30.381 30.444 30.491 30.545 30.600 30.654 30.714 30.774 30.833 30.893	27.148 27.164 27.165 27.174 27.184 27.191 27.206 27.219 27.231 27.245	97.3 95.8 95.8 95.1 94.3 93.7 92.4 91.1 90.1 88.8	12.785 12.882 12.978 13.074 13.168 13.262 13.355 13.447 13.538 13.627	90.6 90.7 90.7 90.8 90.7 90.7 90.7 90.8 90.8	1478.7 1478.8 1478.9 1479.3 1479.4 1479.6 1479.6 1479.6 1479.6	5570.8 5697.9 5826.0 5955.0 6085.0 6215.9 6347.7 6480.4 6614.0 6748.5	15.9 12.6 4.4 17.7 3.3 8.6 15.9 16.8 13.0 9.5
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.152 4.113 4.086 4.107 4.053 4.038 4.023 4.023 4.016 3.975 3.961	4.091 4.052 4.024 4.045 3.990 3.974 3.959 3.951 3.950 3.895	34.347 34.355 34.363 34.379 34.390 34.388 34.390 34.397 34.404 34.408	27.257 27.268 27.277 27.288 27.302 27.302 27.306 27.312 27.321 27.321	30.946 31.003 31.058 31.114 31.175 31.221 31.270 31.322 31.378 31.429	27.251 27.262 27.270 27.281 27.296 27.295 27.299 27.305 27.315 27.319	88.2 87.3 86.5 85.6 84.3 84.3 84.5 82.3	13.716 13.804 13.891 13.977 14.062 14.146 14.230 14.314 14.397 14.479	90.8 90.8 90.7 90.8 90.8 90.8 90.8 90.8 90.7	1479.7 1479.7 1479.8 1480.1 1480.0 1480.1 1480.2 1480.4 1480.4	6883.8 7020.1 7157.2 7295.1 7433.9 7573.5 7713.9 7855.2 7997.3 8140.1	13.0 25.3 -3.7 8 15.1 7.4 7.2 7.5 16.2 -2.8
900.0 910.0 920.0 930.0 930.0 950.0 960.0 970.0 980.0	893.3 903.2 913.0 922.9 932.8 942.7 952.6 962.5 972.4 982.3	3.904 3.890 3.870 3.854 3.829 3.793 3.782 3.758 3.748	3.838 3.822 3.802 3.785 3.760 3.757 3.722 3.710 3.685 3.675	34.418 34.421 34.420 34.431 34.435 34.444 34.452 34.454	27.340 27.342 27.346 27.347 27.358 27.362 27.372 27.380 27.383 27.383	31.490 31.538 31.588 31.635 31.693 31.742 31.798 31.852 31.902 31.951	27.333 27.335 27.339 27.340 27.351 27.355 27.365 27.373 27.376 27.380	81.0 80.8 80.5 80.4 79.4 79.2 78.2 77.5 77.2	14.561 14.642 14.723 14.803 14.883 14.962 15.041 15.119 15.127 15.274	90.7 90.7 90.8 90.8 90.7 90.7 90.7 90.7	1480.4 1480.5 1480.6 1480.7 1480.8 1480.9 1481.0 1481.1 1481.2 1481.3	8283.8 8428.3 8573.6 8719.7 8866.5 9014.2 9311.7 9461.7 9612.4	3.9 2.8 8.4 57.2 13.9 -7.4 11.3 -3.0

Station	21	Latitude	32° 25.2	1'N	Longitu	de 128°	25.22'W	24	Aug 1989	GMT 00	:04	Bottom	4250 m
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³		Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0 1180.0	992.2 1012.0 1031.7 1051.5 1071.3 1091.1 1110.8 1130.6 1150.4 1170.1	3.724 3.687 3.651 3.652 3.485 3.431 3.373 3.323 3.290	3.650 3.612 3.575 3.524 3.473 3.405 3.350 3.291 3.240 3.205	34.457 34.463 34.469 34.479 34.484 34.490 34.500 34.505 34.511 34.515	27.389 27.398 27.407 27.429 27.440 27.453 27.463 27.473 27.479	32.000 32.101 32.201 32.307 32.409 32.512 32.618 32.721 32.823 32.921	27.382 27.391 27.399 27.412 27.421 27.432 27.445 27.455 27.465 27.471	76.8 76.0 75.3 74.2 73.3 72.3 71.1 70.1 69.3 68.8	15.351 15.503 15.654 15.804 15.952 16.097 16.240 16.382 16.521 16.659	90.7 90.7 90.7 90.7 90.6 90.7 90.8 90.7 90.7	1481.3 1481.5 1481.7 1481.8 1482.0 1482.1 1482.2 1482.4 1482.6	9763.8 10068.9 10377.1 10688.1 11002.1 11318.9 11638.6 11961.0 12286.2 12614.0	-7.4 -1.3 6.7 4.9 -5.9 12.3 2.9 2.6 12.0
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0 1380.0	1189.9 1209.6 1229.4 1249.2 1268.9 1288.7 1308.4 1328.2 1347.9 1367.7	3.241 3.207 3.174 3.138 3.100 3.057 3.027 2.986 2.986 2.927	3.155 3.120 3.085 3.048 3.009 2.965 2.934 2.892 2.865 2.829	34.520 34.523 34.529 34.530 34.535 34.539 34.543 34.549 34.550 34.556	27.488 27.493 27.501 27.506 27.514 27.520 27.526 27.535 27.539 27.546	33.023 33.120 33.221 33.318 33.417 33.516 33.614 33.716 33.811 33.910	27.480 27.485 27.493 27.505 27.511 27.518 27.527 27.530 27.537	67.9 67.8 66.4 65.1 65.1 63.5 63.5	16.796 16.931 17.066 17.199 17.331 17.462 17.591 17.719 17.847 17.973	90.7 90.7 90.6 90.7 90.7 90.7 90.7 90.7	1482.7 1482.9 1483.1 1483.3 1483.4 1483.6 1483.8 1484.0 1484.2 1484.4	12944.6 13277.8 13613.7 13952.1 14293.2 14636.8 14982.9 15331.6 15682.7 16036.3	4.7 3 5.3 6.2 1.5 7.1 8 -1.4
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.4 1407.1 1426.9 1446.6 1466.3 1486.1 1505.8 1525.5 1545.3 1565.0	2.885 2.849 2.819 2.788 2.767 2.739 2.707 2.637 2.637 2.602	2.786 2.750 2.718 2.685 2.663 2.634 2.601 2.563 2.528 2.493	34.560 34.564 34.567 34.566 34.567 34.573 34.574 34.583 34.582 34.585	27.553 27.559 27.565 27.567 27.570 27.577 27.580 27.591 27.593 27.599	34.010 34.108 34.206 34.300 34.394 34.493 34.589 34.691 34.785 34.883	27.544 27.551 27.556 27.558 27.561 27.567 27.567 27.581 27.584 27.590	62.1 61.6 61.1 60.9 60.7 60.1 59.8 58.6 58.0	18.098 18.222 18.345 18.468 18.589 18.710 18.830 18.949 19.066 19.183	90.7 90.7 90.7 90.6 90.6 90.6 90.7 90.7	1484.5 1484.7 1484.9 1485.1 1485.4 1485.8 1485.8 1486.0 1486.2 1486.3	16392.4 16750.8 17111.7 17475.0 17840.6 18208.6 18578.9 18951.6 19326.5 19703.7	7.1 4.8 8.0 -3.7 9.8 4 4.3 9.6 6.1
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.7 1604.4 1624.1 1643.8 1663.6 1703.0 1702.7 1742.4 1762.1	2.572 2.547 2.510 2.476 2.440 2.414 2.385 2.363 2.363 2.363	2.461 2.435 2.397 2.361 2.324 2.296 2.243 2.220 2.182	34.588 34.589 34.595 34.597 34.600 34.599 34.605 34.607 34.608 34.615	27.604 27.607 27.615 27.619 27.625 27.626 27.634 27.637 27.639 27.649	34.980 35.075 35.175 35.271 35.369 35.462 35.561 35.656 35.750 35.851	27.594 27.597 27.605 27.610 27.615 27.617 27.624 27.627 27.629 27.638	57.5 57.3 56.5 56.1 55.3 54.7 54.2 53.3	19.298 19.413 19.527 19.639 19.751 19.861 19.972 20.081 20.189 20.297	90.7 90.6 90.6 90.7 90.7 90.7 90.7 90.7	1486.5 1486.8 1487.0 1487.1 1487.3 1487.5 1487.8 1488.0 1488.2 1488.4	20083.2 20464.9 20848.8 21234.9 21623.2 22013.6 22406.2 22800.9 23197.6 23596.5	4.0 6.1 6.1 -4.2 1.4 -5.0 -4.7 9
1800.0 1820.0 1840.0 1860.0 1880.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.8 1801.5 1821.2 1840.9 1860.6 1880.3 1900.0 1919.7 1939.4 1959.1	2.285 2.263 2.244 2.228 2.213 2.185 2.167 2.148 2.126 2.103	2.161 2.138 2.117 2.100 2.083 2.054 2.035 2.014 1.991	34.611 34.615 34.614 34.616 34.618 34.620 34.618 34.622 34.625 34.625	27.647 27.652 27.653 27.656 27.659 27.663 27.663 27.668 27.672	35.941 36.037 36.130 36.223 36.317 36.413 36.504 36.600 36.695 36.790	27.637 27.642 27.643 27.646 27.652 27.652 27.657 27.661 27.664	53.4 53.0 52.9 52.7 52.4 52.0 51.6 51.2 50.9	20.404 20.510 20.616 20.722 20.827 20.931 21.035 21.139 21.241 21.343	90.7 90.6 90.6 90.6 90.7 90.6 90.7	1488.7 1488.9 1489.2 1489.4 1489.7 1489.9 1490.2 1490.4 1490.7 1490.9	23997.5 24400.5 24805.6 25212.7 25621.9 26033.0 26446.2 26861.4 27278.6 27697.8	3.9 -2.0 7.1 10.1 -7 -1.3 -5.1 -3.4 8.1
2000.0 2050.0 2100.0 2150.0 2250.0 2300.0 2350.0 2400.0 2450.0	1978.7 2027.9 2077.1 2126.3 2175.5 2224.6 2273.8 2322.9 2372.0 2421.1	2.088 2.045 2.007 1.974 1.944 1.907 1.880 1.856 1.828 1.798	1.950 1.903 1.861 1.824 1.792 1.751 1.719 1.691 1.659	34.629 34.632 34.637 34.640 34.641 34.646 34.649 34.651 34.653 34.658	27.678 27.685 27.692 27.697 27.701 27.708 27.712 27.716 27.720 27.727	36.884 37.118 37.352 37.584 37.814 38.047 38.277 38.507 38.736 38.968	27.668 27.673 27.681 27.685 27.689 27.695 27.700 27.704 27.707 27.713	50.6 50.1 49.4 49.0 48.7 48.1 47.5 47.5 47.2	21.445 21.697 21.945 22.192 22.436 22.678 22.918 23.156 23.392 23.627	90.7 90.6 90.7 90.7 90.7 90.6 90.6 90.6	1491.2 1491.8 1492.5 1493.2 1493.9 1494.6 1495.3 1496.1 1496.8 1497.5	28118.9 29180.2 30253.6 31338.9 31336.1 33544.9 34665.3 35797.2 36940.5 38095.1	2.8 2.9 1.1 3 4.7 3.9 -1.3 2.5 .8 3.5
2500.0 2550.0 2600.0 2650.0 2750.0 2800.0 2850.0 2900.0 2950.0	2470.2 2519.3 2568.4 2617.5 2666.5 2764.6 2813.6 2862.6 2911.6	1.778 1.758 1.735 1.714 1.699 1.672 1.660 1.639 1.627	1.550 1.525 1.505 1.475 1.458 1.433	34.658 34.660 34.663 34.665 34.666 34.668 34.669 34.672 34.672 34.673	27.729 27.732 27.736 27.740 27.742 27.747 27.747 27.752 27.753 27.755	39.194 39.422 39.651 39.878 40.104 40.332 40.556 40.784 41.008 41.232	27.715 27.718 27.722 27.726 27.727 27.731 27.733 27.737 27.737	46.5 46.3 45.9 45.6 45.2 45.2 44.8 44.8	23.860 24.092 24.323 24.552 24.780 25.007 25.233 25.458 25.682 25.906	90.6 90.6 90.6 90.7 90.6 90.6 90.6 90.6	1498.3 1499.0 1499.8 1500.5 1501.3 1502.1 1502.8 1503.6 1504.4 1505.2	39260.8 40437.8 41625.8 42824.8 44034.8 45255.6 46487.3 47729.7 48982.9 50246.7	2.4 1.5 3.3 .4 8.1 .8 1.1 1.2 1.8
3000.0 3050.0 3100.0 3150.0 3200.0 3250.0 3350.0 3400.0 3450.0	2960.6 3009.6 3058.6 3107.5 3156.4 3205.4 3254.3 3303.2 3352.1 3401.0	1.601 1.589 1.566 1.566 1.547 1.537 1.529 1.517 1.510	1.365 1.337 1.333 1.309 1.295 1.282 1.265	34.674 34.676 34.680 34.681 34.681 34.682 34.683 34.685 34.686	27.757 27.760 27.765 27.764 27.768 27.770 27.771 27.774 27.776 27.776	41.457 41.681 41.908 42.128 42.354 42.576 42.799 43.022 43.243 43.463	27.742 27.744 27.748 27.747 27.751 27.752 27.754 27.757 27.757	44.6 44.4 44.0 44.2 44.0 43.9 43.8 43.6 43.6 43.7	26.129 26.351 26.573 26.794 27.014 27.234 27.453 27.672 27.890 28.108	90.6 90.6 90.6 90.6 90.6 90.5 90.5 90.5	1506.0 1506.8 1507.5 1508.4 1509.2 1510.0 1510.8 1511.6 1512.4 1513.3	51521.2 52806.4 54102.1 55408.3 56725.1 58052.3 59390.0 60738.0 62096.5 63465.3	-1.0 2.0 2.9 -2.1 4.1 -1.1 1.0 3.4 4
3500.0 3550.0 3600.0 3650.0 3700.0 3750.0 3850.0 3950.0	3449.9 3498.7 3547.6 3596.4 3645.3 3694.1 3742.9 3791.7 3840.5 3889.3	1.502 1.503 1.497 1.492 1.490 1.491 1.495 1.495	1.231 1.220 1.210 1.203 1.199 1.193 1.192 1.187	34.688 34.687 34.689 34.690 34.690 34.691 34.692 34.692 34.692 34.693	27.779 27.778 27.781 27.782 27.783 27.784 27.785 27.785 27.785	43.684 43.903 44.124 44.344 44.563 44.781 45.000 45.217 45.434 45.652	27.760 27.759 27.761 27.762 27.763 27.763 27.763 27.763 27.764 27.764	43.7 43.8 43.7 43.8 43.8 44.0 44.2 44.3	28.327 28.546 28.764 28.983 29.202 29.421 29.641 29.862 30.083 30.305	90.5 90.6 90.6 90.5 90.5 90.5 90.5 90.5	1514.1 1515.0 1515.8 1516.6 1517.5 1518.3 1519.2 1520.1 1520.9 1521.8	64844.5 66234.0 67634.0 69044.3 70465.0 71896.0 73337.5 74789.4 76251.8 77724.7	-1.2 1.2 .1 1.0 2.0 -1.5 9 1.6 1.6
4000.0 4050.0 4100.0 4150.0 4200.0 4250.0 4316.0	3938.1 3986.8 4035.6 4084.3 4133.0 4181.7 4230.4 4246.0	1.497 1.502 1.506 1.509 1.514 1.518 1.523 1.524	1.177 1.176 1.173 1.172 1.170 1.169	34.694 34.693 34.693 34.695 34.694 34.694 34.694	27.788 27.787 27.787 27.788 27.788 27.788 27.788 27.788	45.869 46.085 46.300 46.517 46.731 46.947 47.161 47.230	27.765 27.764 27.764 27.764 27.763 27.763 27.763 27.763	44.4 44.7 44.9 45.0 45.3 45.4 45.6 45.7	30.527 30.750 30.974 31.199 31.425 31.652 31.879 31.952	90.5 90.6 90.5 90.5 90.5 90.5 90.5	1522.7 1523.6 1524.4 1525.3 1526.2 1527.1 1528.0 1528.2	79208.0 80701.9 82206.4 83721.4 85247.2 86783.6 88330.8 88828.1	4 3 .9 .3 8 4 -2.7

Station	22	Latitude	32. 39.	.07'N	Longit	ude 128°	17.09'W	2	4 Aug 198	9 GMT 0	3:41	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht g J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.8 59.8 69.8 79.7	19.794 19.803 19.804 19.775 19.721 19.680 19.432 17.947 17.329 16.822	19.794 19.801 19.800 19.770 19.713 19.671 19.422 17.935 17.316 16.807	33.828 33.837 33.845 33.851 33.859 33.863 33.938 34.114 34.050 34.007	23.924 23.928 23.934 23.947 23.968 23.982 24.104 24.610 24.712 24.799	23.924 23.971 24.021 24.077 24.141 24.198 24.364 24.915 25.061 25.192	23.924 23.928 23.933 23.945 23.966 23.979 24.101 24.607 24.708 24.795	397.3 397.1 396.2 394.6 393.7 382.4 334.4 325.0 317.0	.000 .397 .794 1.191 1.587 1.981 2.372 2.725 3.055 3.375	89.8 89.8 89.8 89.8 89.7 89.7 89.0	1520.2 1520.4 1520.7 1520.7 1520.7 1520.3 1516.4 1514.7 1513.3	.0 2.0 7.9 17.8 31.7 49.5 71.2 96.6 125.4	.0 -7.5 3.9 16.5 14.4 30.3 292.9 100.3 95.8 45.4
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	16.601 16.421 16.407 15.457 14.930 13.856 12.858 12.689 11.205	16.584 16.403 16.388 15.437 14.909 13.835 12.836 12.666 11.183 10.753	34.054 34.057 34.183 34.143 34.071 33.889 33.917 33.674 33.678	24.886 24.931 25.031 25.216 25.276 25.415 25.665 25.621 25.710 25.790	25.324 25.413 25.557 25.788 25.893 26.276 26.377 26.517 26.643	24.883 24.927 25.027 25.212 25.272 25.411 25.561 25.706 25.786	308.9 305.0 295.8 278.3 272.8 259.6 245.4 240.3 231.5 224.0	3.689 3.996 4.298 4.585 4.861 5.125 5.378 5.620 5.854 6.079	90.0 90.1 90.3 90.5 90.6 90.7 90.7 90.8	1512.8 1512.4 1512.7 1509.9 1508.3 1504.8 1501.6 1501.2 1495.9 1494.6	192.6 230.8 272.1 316.3 363.3 413.0 465.3 520.0 577.0 636.4	73.4 19.3 137.9 19.7 161.9 34.6 166.2 133.1 139.6 44.0
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.8 258.8 268.7 278.6 288.6	10.327 9.978 9.705 9.401 9.228 8.978 8.756 8.554 8.359 8.207	10.303 9.954 9.680 9.376 9.202 8.951 8.728 8.526 8.331 8.177	33.700 33.753 33.796 33.837 33.861 33.876 33.927 33.953 33.977 34.009	25.885 25.986 26.065 26.147 26.194 26.247 26.371 26.373 26.421 26.470	26.785 26.932 27.057 27.186 27.279 27.377 27.499 27.596 27.691 27.786	25.882 25.982 26.061 26.143 26.190 26.242 26.317 26.368 26.416 26.465	215.0 205.5 198.2 190.4 186.1 181.2 174.2 169.5 165.0 160.4	6.299 6.509 6.711 6.906 7.094 7.277 7.455 7.626 7.793 7.957	90.8 90.8 90.8 90.8 90.8 90.8 90.8 90.8	1493.2 1492.1 1491.3 1490.4 1490.0 1489.2 1488.6 1488.1 1487.5 1487.1	697.9 761.6 827.3 895.0 964.5 1036.0 1109.1 1184.1 1260.6 1338.9	88.4 76.1 86.6 138.4 37.0 28.2 105.2 26.4 26.0 59.4
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.2 358.1 368.0 377.9 387.9	8.085 7.916 7.733 7.544 7.544 7.234 7.068 6.900 6.762 6.561	8.055 7.885 7.702 7.512 7.360 7.201 7.034 6.865 6.727 6.526	34.001 34.010 34.021 34.020 34.020 34.015 34.017 34.015 34.028	26.482 26.513 26.549 26.571 26.597 26.619 26.639 26.663 26.716	27.844 27.922 28.004 28.073 28.146 28.215 28.281 28.353 28.416 28.500	26.477 26.509 26.544 26.566 26.593 26.615 26.634 26.659 26.676 26.712	159.4 156.5 153.2 151.1 148.7 146.6 144.8 142.5 140.9 137.5	8.117 8.275 8.430 8.581 8.731 8.879 9.024 9.168 9.309 9.448	90.8 90.7 90.7 90.7 90.7 90.7 90.7 90.7	1486.8 1486.4 1485.8 1485.3 1484.8 1484.4 1483.9 1483.4 1483.0 1482.4	1418.7 1500.1 1583.0 1667.5 1753.4 1840.9 1929.7 2020.0 2111.7 2204.8	17.8 52.3 27.7 6.9 34.4 17.7 10.6 8.8 46.6 5.8
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.2 477.2	6.409 6.273 6.148 5.977 5.911 5.775 5.707 5.553 5.479	6.373 6.237 6.111 5.939 5.874 5.737 5.668 5.598 5.513 5.438	34.034 34.035 34.059 34.052 34.056 34.057 34.062 34.060 34.093	26.742 26.758 26.776 26.817 26.849 26.849 26.861 26.869 26.905	28.572 28.636 28.700 28.788 28.837 28.905 28.905 28.9019 29.074 29.156	26.737 26.754 26.771 26.812 26.815 26.835 26.835 26.857 26.865 26.900	135.1 133.5 131.9 128.0 127.9 125.9 125.1 124.0 123.2 120.0	9.584 9.718 9.850 9.981 10.109 10.236 10.361 10.485 10.608 10.730	90.6 90.6 90.6 90.6 90.6 90.6 90.6	1482.0 1481.6 1481.2 1480.7 1480.6 1480.3 1480.1 1480.0 1480.9 1479.8	2299.3 2395.0 2492.1 2590.5 2690.2 2791.1 2893.3 2996.7 3101.3 3207.1	41.8 13.4 3.7 13.0 9.5 8.3 27.1 21.5 22.1 53.7
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.8 526.8 536.7 546.6 556.5 566.4 576.3 586.2	5.316 5.213 5.151 5.092 5.032 4.985 4.947 4.928 4.896 4.769	5.275 5.172 5.109 5.050 4.989 4.942 4.903 4.883 4.850 4.723	34.076 34.085 34.093 34.097 34.110 34.110 34.125 34.128 34.150	26.911 26.930 26.944 26.954 26.961 26.976 26.979 26.995 27.001 27.033	29.210 29.275 29.336 29.393 29.446 29.508 29.557 29.619 29.671 29.751	26.906 26.925 26.939 26.949 26.956 26.971 26.974 26.990 26.996 27.028	119.3 117.6 116.2 115.4 114.7 113.4 113.1 111.7 111.2	10.850 10.969 11.086 11.202 11.317 11.431 11.544 11.657 11.769 11.878	90.6 90.4 90.6 90.5 90.5 90.5	1479.2 1479.0 1478.9 1478.8 1478.8 1478.7 1478.7 1478.9 1478.9	3314.2 3422.4 3531.7 3642.2 3753.9 3866.6 3980.5 4095.6 4211.7 4328.9	11.5 63.6 8.3 15.3 21.7 15.9 -2.3 34.9 -2.7
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.7 655.5 675.4 685.3	4.767 4.751 4.713 4.687 4.661 4.641 4.602 4.584 4.518 4.494	4.720 4.704 4.665 4.638 4.612 4.590 4.551 4.532 4.466 4.441	34.148 34.159 34.189 34.199 34.207 34.219 34.226 34.225 34.255 34.262	27.031 27.042 27.070 27.081 27.090 27.102 27.112 27.128 27.144 27.153	29.795 29.852 29.926 29.983 30.038 30.096 30.153 30.214 30.277 30.332	27.026 27.037 27.065 27.075 27.085 27.096 27.107 27.122 27.138 27.147	108.4 107.5 104.9 104.0 103.1 102.1 101.2 99.8 98.3 97.6	11.986 12.094 12.200 12.305 12.409 12.512 12.613 12.713 12.812 12.910	90.6 90.5 90.5 90.6 90.6 90.5 90.7	1478.7 1478.8 1478.9 1478.9 1479.0 1479.1 1479.1 1479.2 1479.2	4447.2 4566.5 4686.9 4808.3 4930.8 5054.3 5178.7 5304.2 5558.1	22.0 8 15.0 17.0 10.9 15.9 2.1 31.4 4.8 -9.9
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0	695.2 705.2 715.0 725.0 734.9 744.8 754.7 764.6 774.5 784.4	4.489 4.444 4.402 4.379 4.371 4.341 4.306 4.287 4.263 4.272	4.436 4.389 4.347 4.324 4.284 4.284 4.229 4.204 4.212	34.263 34.276 34.275 34.284 34.289 34.298 34.307 34.318 34.326 34.338	27.154 27.169 27.173 27.183 27.188 27.198 27.209 27.220 27.229 27.238	30.379 30.441 30.491 30.547 30.597 30.654 30.712 30.769 30.823 30.878	27.148 27.164 27.167 27.177 27.181 27.192 27.203 27.214 27.222 27.231	97.5 96.1 95.8 94.9 94.6 93.6 91.7 90.9 90.2	13.008 13.105 13.201 13.296 13.391 13.485 13.578 13.670 13.761 13.852	90.4 90.5 90.6 90.6 90.6 90.5 90.5	1479.4 1479.3 1479.3 1479.4 1479.6 1479.6 1479.6 1479.7 1479.8 1480.0	5686.5 5815.8 5946.1 6077.3 6209.5 6342.5 6476.6 6611.5 6747.3 6884.0	-2.0 6.2 7.7 5.6 3.0 5.1 5.7 8.9 -1.7
800.0 810.0 820.0 830.0 840.0 850.0 860.0 860.0 890.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.236 4.204 4.189 4.210 4.192 4.162 4.131 4.102 4.085 4.057	4.176 4.143 4.128 4.147 4.128 4.097 4.066 4.036 4.019 3.990	34.348 34.350 34.355 34.370 34.375 34.386 34.390 34.399 34.405 34.415	27.249 27.254 27.260 27.269 27.276 27.288 27.294 27.304 27.311 27.322	30.936 30.987 31.039 31.093 31.146 31.204 31.257 31.313 31.365 31.423	27.243 27.248 27.254 27.263 27.269 27.281 27.288 27.298 27.304 27.315	89.1 88.2 87.5 87.5 87.9 85.9 84.4 83.9 82.9	13.942 14.031 14.119 14.207 14.294 14.381 14.466 14.551 14.635 14.719	90.5 90.6 90.5 90.5 90.5 90.5 90.5 90.5	1480.1 1480.2 1480.5 1480.6 1480.6 1480.7 1480.7 1480.8 1480.9	7021.6 7160.1 7299.4 7439.6 7580.7 7722.6 7865.4 8009.0 8153.4 8298.6	12.1 -3.4 -8.1 3.7 1.3 18.9 -1.6 6.3 6.9 5.7
900.0 910.0 920.0 930.0 930.0 950.0 960.0 970.0 980.0	893.3 903.2 913.0 922.9 932.8 942.7 952.6 962.5 972.4 982.3	4.029 3.980 3.950 3.911 3.880 3.868 3.846 3.795 3.776 3.779	3.962 3.911 3.881 3.842 3.810 3.775 3.775 3.723 3.703 3.706	34.419 34.425 34.434 34.428 34.434 34.444 34.445 34.445 34.450 34.455	27.328 27.338 27.348 27.347 27.355 27.365 27.368 27.373 27.379 27.383	31.475 31.532 31.588 31.634 31.688 31.744 31.793 31.845 31.897 31.946	27.321 27.331 27.341 27.340 27.348 27.358 27.361 27.366 27.372 27.375	82.4 81.4 80.4 80.6 79.8 78.9 78.7 77.5	14.801 14.883 14.964 15.045 15.125 15.204 15.283 15.361 15.440 15.518	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1480.9 1480.9 1480.9 1480.9 1481.0 1481.1 1481.2 1481.1	8444.7 8591.6 8739.2 8887.7 9036.9 9186.9 9337.7 9489.3 9641.6 9794.7	4.9 -9.5 31.2 9.0 -1.3 13.1 9.6 12.5 11.6

Station		Latitude	32° 39.	07'N	Longit	ude 128°	17.09'W	24	Aug 1989	GMT 0	3:41	Bottom	4400 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0	992.2 1012.0 1031.7 1051.5 1071.3 1091.1 1110.8 1130.6 1150.4 1170.1	3.777 3.730 3.651 3.558 3.535 3.500 3.458 3.421 3.361 3.325	3.703 3.655 3.575 3.510 3.457 3.421 3.377 3.338 3.278 3.240	34.455 34.464 34.478 34.489 34.493 34.499 34.501 34.501	27.383 27.395 27.414 27.429 27.438 27.441 27.455 27.468 27.472	31.992 32.097 32.208 32.317 32.419 32.513 32.614 32.712 32.817 32.914	27.376 27.388 27.406 27.421 27.431 27.433 27.442 27.448 27.460 27.464	77.5 76.4 74.7 73.3 72.3 71.5 71.0 69.8 69.5	15.595 15.749 15.900 16.049 16.195 16.340 16.484 16.626 16.767 16.906	90.6 90.5 90.5 90.5 90.4 90.4 90.4 90.6	1481.6 1481.7 1481.8 1481.9 1482.1 1482.3 1482.4 1482.5 1482.7	9948.6 10258.6 10571.5 10887.4 11206.2 11527.9 11852.3 12179.5 12509.6 12842.3	4.3 1.7 2.9 9.0 7.3 6 2.3 11.7 2.6 -3.2
1200.0 1220.0 1240.0 1260.0 1300.0 1300.0 1320.0 1340.0 1360.0	1189.9 1209.7 1229.4 1249.2 1268.9 1288.7 1308.4 1328.2 1347.9 1367.7	3.301 3.259 3.212 3.176 3.144 3.091 3.062 3.029 3.003 2.981	3.214 3.171 3.123 3.086 3.052 2.999 2.968 2.934 2.906 2.884	34.515 34.520 34.526 34.529 34.532 34.540 34.539 34.544 34.546 34.547	27.478 27.486 27.495 27.501 27.506 27.518 27.521 27.528 27.531 27.534	33.011 33.112 33.213 33.312 33.409 33.513 33.607 33.706 33.802 33.896	27.470 27.478 27.487 27.493 27.509 27.512 27.519 27.523 27.525	69.0 68.3 67.5 66.9 66.5 65.4 64.6 64.3	17.045 17.182 17.318 17.452 17.585 17.717 17.848 17.978 18.107 18.235	90.5 90.5 90.4 90.5 90.5 90.5 90.5 90.5	1482.9 1483.1 1483.2 1483.4 1483.6 1483.7 1483.9 1484.1 1484.4 1484.6	13177.8 13515.9 13856.7 14200.2 14546.2 14894.9 15246.0 15599.8 15956.0 16314.8	-4.1 4.7 4.1 3.0 -3.8 5.3 4.7 4.2 2.4 6.5
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.4 1407.1 1426.9 1446.6 1466.3 1505.8 1525.5 1545.3 1565.0	2.931 2.897 2.864 2.821 2.785 2.712 2.672 2.636 2.604	2.832 2.796 2.762 2.719 2.681 2.664 2.564 2.528 2.494	34.555 34.558 34.559 34.564 34.570 34.573 34.576 34.578 34.580 34.583	27.545 27.551 27.555 27.562 27.576 27.576 27.582 27.587 27.592 27.597	34.000 34.098 34.194 34.294 34.394 34.590 34.687 34.784 34.882	27.536 27.542 27.545 27.553 27.561 27.567 27.573 27.577 27.583 27.588	63.0 62.5 62.2 61.4 60.7 60.1 59.6 59.1 58.6 58.1	18.362 18.488 18.612 18.736 18.858 18.979 19.099 19.218 19.336 19.453	90.5 90.5 90.4 90.4 90.4 90.5 90.5	1484.7 1484.9 1485.1 1485.3 1485.6 1485.6 1485.8 1486.0 1486.1 1486.3	16676.0 17039.7 17405.8 17774.4 18145.3 18518.6 18894.2 19272.2 19652.4 20035.0	5.4 1.6 1.6 5.1 6.6 6.1 6.4
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.7 1604.4 1624.1 1643.8 1663.6 1683.3 1703.0 1722.7 1742.4 1762.1	2.570 2.550 2.524 2.496 2.473 2.440 2.411 2.384 2.367 2.334	2.458 2.437 2.411 2.381 2.356 2.322 2.292 2.264 2.245 2.211	34.586 34.588 34.593 34.594 34.597 34.599 34.604 34.604 34.609	27.604 27.604 27.608 27.614 27.618 27.623 27.627 27.633 27.635 27.642	34.980 35.072 35.167 35.265 35.360 35.458 35.554 35.651 35.744 35.843	27.594 27.595 27.598 27.604 27.608 27.613 27.617 27.623 27.625 27.631	57.5 57.5 57.2 56.6 56.3 55.8 55.8 54.7 54.7	19.568 19.684 19.798 19.912 20.025 20.136 20.248 20.358 20.468 20.576	90.4 90.5 90.5 90.5 90.5 90.5 90.5	1486.5 1486.8 1487.0 1487.2 1487.5 1487.7 1488.1 1488.4 1488.5	20419.7 20806.8 21196.0 21587.5 21581.1 22377.0 22774.9 23175.1 23577.3 23981.7	4.0 2.9 8.4 2.6 1.7 5.5 1.6 .3 8.8
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.8 1801.5 1821.2 1840.9 1860.6 1880.3 1900.0 1919.7 1939.4 1959.1	2.305 2.279 2.261 2.248 2.230 2.201 2.173 2.157 2.135 2.121	2.181 2.153 2.134 2.119 2.101 2.069 2.040 2.023 2.000 1.984	34.613 34.614 34.616 34.617 34.621 34.623 34.624 34.626 34.626	27.647 27.650 27.653 27.657 27.663 27.663 27.669 27.669 27.672 27.674	35.940 36.035 36.129 36.220 36.315 36.412 36.508 36.601 36.696 36.788	27.637 27.640 27.643 27.643 27.646 27.652 27.656 27.658 27.662 27.663	53.5 53.2 53.0 53.0 52.7 52.1 51.7 51.5 51.2	20.684 20.791 20.897 21.003 21.109 21.214 21.318 21.421 21.524 21.626	90.4 90.5 90.4 90.5 90.5 90.4 90.4	1488.8 1489.0 1489.2 1489.5 1489.8 1490.0 1490.2 1490.5 1490.7	24388.2 24796.7 25207.3 25620.0 26034.7 26451.5 26870.2 27713.7 28138.4	4.4 -4.9 3.3 8 -1.9 1.6 1.3 -5.2
2000.0 2050.0 2100.0 2150.0 2200.0 2350.0 2350.0 2400.0 2450.0	1978.7 2027.9 2077.1 2126.3 2175.5 2224.6 2273.8 2322.9 2372.0 2421.1	2.094 2.046 1.999 1.971 1.938 1.906 1.872 1.846 1.826 1.802	1.955 1.905 1.854 1.822 1.785 1.749 1.711 1.682 1.657	34.630 34.632 34.637 34.640 34.643 34.650 34.652 34.653 34.653	27.679 27.684 27.692 27.702 27.708 27.713 27.718 27.720 27.725	36.885 37.118 37.353 37.584 37.816 38.047 38.279 38.509 38.736 38.966	27.668 27.673 27.681 27.685 27.690 27.696 27.701 27.705 27.707	50.6 50.1 49.4 49.0 48.6 48.1 47.3 47.3	21.728 21.980 22.228 22.475 22.719 22.960 23.200 23.437 23.673 23.908	90.5 90.4 90.4 90.4 90.4 90.5 90.5 90.5	1491.2 1491.8 1492.5 1493.2 1493.9 1494.6 1495.3 1496.0 1496.8 1497.5	28565.1 29640.4 30727.7 31826.9 34060.6 35194.8 36340.5 38665.9	.2 1.1 4.4 2.1 4.2 1.9 3.6 3.7 2.9
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2900.0	2470.2 2519.3 2568.4 2617.4 2666.5 2715.5 2764.6 2813.6 2862.6 2911.6	1.784 1.755 1.734 1.719 1.699 1.678 1.663 1.6645 1.627	1.607 1.575 1.550 1.530 1.506 1.480 1.462 1.439 1.417	34.657 34.660 34.663 34.664 34.665 34.669 34.669 34.671 34.672	27.727 27.732 27.736 27.738 27.741 27.745 27.747 27.751 27.753 27.755	39.192 39.423 39.651 39.876 40.103 40.331 40.556 40.783 41.008 41.232	27.714 27.719 27.722 27.724 27.727 27.730 27.733 27.736 27.737 27.740	46.7 46.2 45.9 45.7 45.3 45.2 44.8 44.8	24.142 24.374 24.604 24.834 25.062 25.516 25.742 25.742 25.7966 26.190	90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4	1498.3 1499.0 1499.8 1500.6 1501.3 1502.1 1502.9 1503.6 1504.4 1505.2	39845.5 41036.2 42238.0 43450.8 44674.6 45909.3 47154.8 48411.1 49678.1 50955.9	1.2 3.0 -2.3 1.6 1.4 2.9 1.4
3000.0 3050.0 3100.0 3150.0 3250.0 3350.0 3400.0 3450.0	2960.6 3009.6 3058.5 3107.5 3156.4 3205.4 3254.3 3303.2 3352.1 3401.0	1.600 1.588 1.576 1.556 1.555 1.548 1.540 1.532 1.525	1.380 1.364 1.348 1.332 1.317 1.306 1.293 1.280 1.268 1.259	34.674 34.676 34.678 34.680 34.681 34.682 34.683 34.684 34.684	27.757 27.760 27.762 27.764 27.766 27.768 27.770 27.771 27.773 27.774	41.457 41.681 41.905 42.128 42.351 42.573 42.796 43.018 43.239 43.460	27.742 27.743 27.746 27.747 27.749 27.750 27.752 27.753 27.755 27.756	44.5 44.3 44.3 44.2 44.1 44.0 44.0	26.413 26.635 26.857 27.079 27.299 27.520 27.740 27.961 28.181 28.400	90.4 90.4 90.4 90.4 90.4 90.3 90.4 90.4	1506.0 1506.8 1507.6 1508.4 1509.2 1510.0 1510.8 1511.7 1512.5 1513.3	52244.3 53543.3 54852.9 56173.0 57503.7 58844.9 60196.5 61558.7 62931.3 64314.3	1.7 1.7 2 3.2 3 1.0 2 -2.2 4 3
3500.0 3550.0 3600.0 3650.0 3700.0 3750.0 3800.0 3850.0 3950.0	3449.8 3498.7 3547.6 3596.4 3645.2 3694.1 3742.9 3791.7 3840.4 3889.2	1.514 1.509 1.505 1.502 1.499 1.497 1.498 1.500 1.499	1.247 1.237 1.228 1.220 1.212 1.205 1.201 1.197 1.190 1.187	34.686 34.687 34.688 34.689 34.690 34.690 34.691 34.691 34.692 34.692	27.777 27.778 27.779 27.781 27.782 27.783 27.783 27.784 27.785 27.785	43.681 43.902 44.122 44.342 44.561 44.780 44.998 45.216 45.434 45.650	27.758 27.758 27.760 27.761 27.761 27.762 27.762 27.763 27.763 27.763	43.9 43.9 43.9 44.0 44.1 44.3 44.3	28.620 28.840 29.060 29.279 29.499 29.720 29.940 30.162 30.383 30.606	90.4 90.3 90.3 90.3 90.3 90.3 90.3 90.3	1514.2 1515.0 1515.8 1516.7 1517.5 1518.4 1519.2 1520.1 1521.0 1521.8	65707.8 67111.7 68526.0 69950.7 71385.9 72831.5 74287.5 75754.0 77231.0 78718.5	3.0 1.8 -1.1 2.0 -5 -6 .3 2.7
4000.0 4050.0 4150.0 4250.0 4250.0 4300.0 4350.0 4400.0 4446.0	3938.0 3986.8 4035.5 4084.2 4133.0 4181.7 4230.4 4279.1 4327.8 4372.5	1.503 1.506 1.509 1.513 1.518 1.521 1.526 1.530 1.535	1.184 1.181 1.179 1.177 1.176 1.174 1.173 1.171 1.170	34.693 34.694 34.693 34.693 34.694 34.694 34.694 34.695 34.695	27.786 27.786 27.787 27.787 27.787 27.788 27.788 27.788 27.788 27.788	45.867 46.083 46.300 46.515 46.730 46.946 47.160 47.375 47.590 47.786	27.764 27.763 27.764 27.763 27.763 27.763 27.763 27.763 27.763 27.763 27.763	44.6 44.9 45.0 45.2 45.5 45.7 45.9 46.3	30.829 31.052 31.277 31.502 31.728 31.956 32.184 32.413 32.643 32.856	90.4 90.5 90.3 90.2 90.3 90.2 90.3 90.2	1522.7 1523.6 1524.4 1525.3 1526.2 1527.1 1528.0 1528.9 1529.7 1530.6	80216.5 81725.1 83244.3 84774.1 86314.5 87865.8 89427.7 91000.5 92584.1 94050.6	1.4 -2.0 8 1.6 1 9

Station	23	Latitude	32. 52	.51'N	Longit	ude 128°	09.02'W	2	4 Aug 198	9 GMT 0	7:39	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-6 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht g J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	.0 10.0 19.9 29.9 39.8 59.8 69.8 79.7	19.686 19.685 19.657 19.553 19.506 18.282 16.277 15.645 15.440	19.686 19.683 19.653 19.538 19.546 19.497 18.272 16.266 15.632 15.426	33.818 33.818 33.811 33.788 33.806 33.642 33.489 33.489 33.599	23.943 23.944 23.946 23.959 23.970 23.978 24.167 24.525 24.669 24.800	23.944 23.987 24.033 24.089 24.144 24.194 24.833 24.833 25.196	23.943 23.944 23.945 23.957 23.968 23.975 24.164 24.523 24.666 24.796	395.4 395.7 395.9 395.1 394.4 394.0 376.2 342.2 328.8 316.6	.000 .396 .791 1.187 1.582 1.976 2.363 2.720 3.055 3.379	90.0 90.0 89.9 89.9 89.8 89.8 90.0 90.1	1519.9 1520.0 1520.1 1519.9 1520.2 1516.7 1510.9 1508.9	.0 2.0 7.9 17.8 31.6 49.3 70.9 96.3 125.0	.0 .3 -2.0 22.9 11.2 54.5 279.8 225.3 41.6 177.5
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	14.808 14.270 13.916 13.365 13.026 12.457 11.801 11.182 10.523 10.033	14.793 14.254 13.899 13.347 13.007 12.437 11.781 11.161 10.502 10.012	33.534 33.537 33.578 33.557 33.578 33.524 33.524 33.541 33.565 33.619	24.887 25.005 25.110 25.206 25.291 25.484 25.611 25.746 25.872	25.329 25.491 25.641 25.784 25.913 26.200 26.373 26.555 26.728	24.884 25.001 25.106 25.203 25.287 25.362 25.481 25.607 25.742 25.868	308.5 297.5 287.7 278.7 270.9 263.9 252.6 240.7 227.8 215.9	3.691 3.995 4.287 4.570 4.845 5.113 5.370 5.616 5.850 6.071	90.2 90.3 90.4 90.6 90.7 90.8 90.9 90.9	1506.6 1505.0 1504.1 1502.4 1501.5 1499.6 1497.5 1493.4 1491.8	192.3 230.5 271.8 315.9 362.7 412.2 464.4 519.0 576.1 635.3	104.7 117.8 63.3 88.1 91.0 88.8 115.1 62.2 182.5 56.5
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 248.8 258.8 268.7 278.6 288.6	9.825 9.483 9.169 8.924 8.698 8.521 8.356 8.170 8.021 7.900	9.803 9.459 9.146 8.899 8.672 8.495 8.329 8.143 7.992 7.872	33.673 33.717 33.784 33.850 33.893 33.925 33.945 33.964 33.976 33.979	25.949 26.040 26.143 26.234 26.302 26.355 26.396 26.439 26.471 26.491	26.851 26.988 27.138 27.275 27.390 27.489 27.576 27.665 27.743 27.809	25.945 26.036 26.139 26.230 26.299 26.351 26.392 26.435 26.467 26.487	208.8 200.2 190.5 182.0 175.6 170.7 166.9 160.0 158.2	6.282 6.486 6.681 6.867 7.046 7.219 7.387 7.551 7.713 7.872	90.9 90.9 90.9 90.9 90.8 90.8 90.8	1491.3 1490.3 1489.3 1488.0 1487.6 1487.6 1486.1 1486.2 1485.9	696.8 760.2 825.7 893.0 962.1 1033.0 1105.6 1179.8 1255.6 1333.0	57.0 69.5 75.1 96.4 47.2 54.8 22.6 35.6
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.1 358.1 368.0 377.9 387.8	7.758 7.608 7.399 7.268 7.146 6.975 6.819 6.609 6.372	7.728 7.578 7.368 7.237 7.114 6.943 6.786 6.575 6.462 6.337	33.988 33.988 33.988 33.988 33.989 33.995 33.995 34.000 34.009	26.522 26.541 26.570 26.589 26.611 26.656 26.685 26.704 26.727	27.887 27.952 28.029 28.093 28.162 28.228 28.301 28.377 28.442 28.512	26.518 26.537 26.566 26.584 26.607 26.626 26.652 26.652 26.699 26.722	155.3 150.8 149.2 147.2 145.4 142.9 140.2 138.5 136.3	8.029 8.183 8.336 8.486 8.634 8.780 8.924 9.205 9.342	90.8 90.8 90.8 90.8 90.7 90.7 90.7	1485.6 1485.1 1484.5 1484.1 1483.8 1483.3 1482.9 1482.9 1481.6	1411.9 1492.4 1574.5 1658.0 1743.0 1829.4 1917.3 2006.6 2097.3 2189.3	9.8 35.3 23.2 29.4 16.7 21.1 17.0 23.1 14.0 20.1
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.8 407.7 417.6 427.5 437.5 447.4 457.3 467.2 477.1	6.258 6.097 6.094 5.932 5.872 5.833 5.816 5.735 5.643 5.571	6.223 6.061 5.968 5.895 5.795 5.797 5.695 5.603 5.530	34.014 34.016 34.014 34.029 34.041 34.062 34.070 34.080 34.085	26.745 26.763 26.780 26.787 26.806 26.820 26.840 26.856 26.875 26.888	28.577 28.642 28.705 28.758 28.825 28.885 28.950 29.013 29.079 29.137	26.741 26.758 26.775 26.782 26.802 26.816 26.835 26.835 26.851 26.870 26.882	134.7 133.0 131.4 130.8 129.0 127.8 126.1 124.6 122.8 121.7	9.478 9.612 9.744 9.875 10.005 10.134 10.260 10.386 10.509 10.632	90.7 90.7 90.7 90.6 90.6 90.6 90.6	1481.3 1480.8 1480.6 1480.5 1480.5 1480.5 1480.6 1480.4 1480.2 1480.1	2282.7 2377.4 2473.5 2570.8 2669.4 2769.3 2870.5 2972.9 3076.5 3181.4	16.9 12.2 8.4 20.4 11.6 24.2 20.4 12.7 18.9
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.8 526.7 536.7 546.6 556.5 566.4 576.3 586.2	5.515 5.502 5.413 5.270 5.286 5.196 5.208 5.109 5.099 5.045	5.474 5.459 5.370 5.227 5.242 5.151 5.163 5.123 5.052 4.997	34.093 34.113 34.118 34.122 34.147 34.143 34.160 34.178 34.180 34.190	26.900 26.918 26.933 26.953 26.971 26.978 26.991 27.009 27.019 27.034	29.197 29.260 29.321 29.389 29.453 29.565 29.629 29.686 29.747	26.895 26.913 26.928 26.948 26.966 26.973 26.986 27.004 27.014 27.028	120.6 119.0 117.6 115.7 114.1 113.4 110.7 109.8 108.5	10.753 10.873 10.991 11.108 11.222 11.336 11.449 11.560 11.671 11.780	90.6 90.6 90.6 90.6 90.6 90.6 90.6	1480.1 1480.2 1480.0 1479.6 1479.9 1479.9 1479.9 1479.8 1479.8	3287.4 3394.7 3503.1 3612.7 3723.4 3835.2 3948.2 4062.2 4177.4 4293.6	17.1 20.3 25.0 25.0 10.9 8.3 14.8 10.7 13.3 8.6
600.0 610.0 620.0 640.0 650.0 650.0 670.0 680.0 690.0	596.1 606.0 616.0 625.9 635.8 645.6 665.5 675.4 685.3	5.045 4.972 4.951 4.877 4.855 4.757 4.764 4.633	4.997 4.924 4.902 4.834 4.826 4.803 4.705 4.650 4.710 4.579	34.198 34.207 34.218 34.225 34.263 34.261 34.263 34.263 34.292 34.285	27.040 27.055 27.067 27.080 27.100 27.113 27.123 27.131 27.147 27.156	29.799 29.861 29.918 29.978 30.044 30.104 30.160 30.215 30.275 30.332	27.035 27.050 27.061 27.074 27.094 27.108 27.117 27.125 27.141 27.150	108.0 106.6 105.6 104.4 102.6 101.4 100.5 99.8 98.4 97.5	11.888 11.995 12.101 12.206 12.310 12.412 12.513 12.613 12.712 12.810	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1479.9 1479.8 1479.8 1479.8 1480.0 1480.1 1479.8 1479.7 1480.2 1479.8	4410.9 4529.3 4648.7 4769.1 4890.6 5013.1 5136.6 5261.1 5386.5 5513.0	15.9 19.4 6.3 19.1 11.2 18.3 8.3 13.9 13.9
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.2 705.1 715.0 724.9 734.8 754.6 764.5 774.5	4.560 4.575 4.592 4.562 4.486 4.442 4.452 4.392 4.347 4.290	4.506 4.520 4.536 4.505 4.429 4.384 4.393 4.332 4.287 4.229	34.290 34.304 34.322 34.330 34.332 34.339 34.350 34.355 34.362 34.362	27.168 27.177 27.190 27.200 27.210 27.220 27.228 27.228 27.238 27.249 27.260	30.391 30.446 30.504 30.560 30.617 30.674 30.727 30.784 30.842 30.900	27.162 27.171 27.184 27.194 27.204 27.213 27.221 27.232 27.232 27.243 27.254	96.4 95.6 94.5 93.7 92.7 91.2 90.2 89.2 88.1	12.907 13.003 13.098 13.192 13.285 13.378 13.469 13.560 13.650 13.738	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1479.7 1479.9 1480.2 1480.2 1480.1 1480.1 1480.3 1480.2 1480.2	5640.3 5768.7 5897.9 6028.1 6291.3 6291.3 6424.2 6558.0 6692.8 6828.3	14.5 23.5 9.2 9.5 7.2 14.2 12.4 4.5 15.7 6.9
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.0 824.0 833.8 843.8 853.6 863.5 873.4 883.3	4.266 4.232 4.203 4.173 4.145 4.110 4.089 4.003 3.977	4.205 4.170 4.141 4.110 4.082 4.046 4.024 3.982 3.937 3.911	34.376 34.382 34.393 34.398 34.400 34.403 34.407 34.411 34.413 34.418	27.269 27.276 27.289 27.296 27.301 27.307 27.312 27.319 27.326 27.333	30.954 31.008 31.067 31.120 31.171 31.224 31.275 31.329 31.382 31.435	27.262 27.270 27.282 27.289 27.294 27.300 27.305 27.313 27.319 27.326	87.4 85.6 85.0 84.6 84.6 82.9 82.3	13.826 13.913 13.999 14.084 14.169 14.253 14.337 14.420 14.503 14.585	90.5 90.6 90.6 90.5 90.5 90.5 90.6 90.6	1480.2 1480.3 1480.4 1480.4 1480.4 1480.5 1480.5 1480.5	6964.8 7102.1 7240.3 7379.3 7519.1 7659.8 7801.3 7943.6 8086.7 8230.6	10.7 7.2 5.4 5.1 2.8 7.8 4.5 6.0 13.9
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.2 903.1 913.0 922.9 932.8 942.7 952.6 962.5 972.4 982.3	3.949 3.936 3.921 3.897 3.894 3.863 3.843 3.798 3.796 3.725	3.882 3.868 3.853 3.828 3.824 3.771 3.776 3.726 3.724 3.652	34.423 34.425 34.427 34.431 34.437 34.441 34.448 34.450 34.454	27.339 27.343 27.346 27.351 27.356 27.363 27.370 27.376 27.380 27.389	31.488 31.537 31.587 31.638 31.689 31.742 31.795 31.848 31.897 31.953	27.333 27.336 27.339 27.344 27.349 27.356 27.363 27.369 27.373 27.381	81.1 80.8 80.6 80.1 79.7 79.2 78.5 77.9 77.7	14.666 14.747 14.828 14.908 15.068 15.147 15.225 15.303 15.380	90.6 90.6 90.6 90.6 90.6 90.5 90.5 90.5	1480.6 1480.7 1480.8 1480.9 1481.0 1481.1 1481.2 1481.2 1481.2	8375.3 8520.9 8667.2 8814.3 8922.2 9110.8 9260.3 9410.5 9561.5 9713.2	4.3 9.2 1.6 4.3 5.7 7.8 1.7 4.3 6.6

Station	23	Latitude	32° 52.	51'N	Longit	ude 128°	09.02'W	24	Aug 1989	GMT 0	7:39		4400 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	sigma−θ kg/m³	sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	$10^{6}/s^{2}$
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0	992.2 1011.9 1031.7 1051.5 1071.3 1091.0 1110.8 1130.6 1150.3 1170.1	3.713 3.675 3.616 3.5567 3.528 3.485 3.444 3.365 3.365	3.639 3.600 3.540 3.450 3.455 3.363 3.329 3.282 3.235	34.457 34.462 34.470 34.477 34.483 34.489 34.494 34.500 34.503 34.509	27.391 27.399 27.411 27.422 27.430 27.447 27.455 27.462 27.471	32.001 32.101 32.207 32.310 32.411 32.512 32.612 32.712 32.812 32.913	27.383 27.391 27.404 27.414 27.423 27.432 27.439 27.447 27.455 27.463	76.6 76.0 74.8 73.9 73.1 72.3 71.7 71.0 70.3 69.6	15.457 15.609 15.760 15.909 16.056 16.201 16.345 16.488 16.629 16.769	90.55 90.66 90.55 90.55 90.56 90.55	1481.3 1481.5 1481.6 1481.7 1481.9 1482.0 1482.2 1482.4 1482.5 1482.7	9865.7 10172.9 10483.1 10796.3 11112.3 11431.2 11752.9 12077.4 12404.7 12734.7	4.6 7.2 9.6 12.3 6.1 5.2 3.5 4.7 5.5
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0	1189.8 1209.6 1229.4 1249.1 1268.9 1288.6 1308.4 1328.1 1347.9 1367.6	3.288 3.258 3.225 3.189 3.146 3.111 3.066 3.018 2.987 2.950	3.202 3.171 3.136 3.099 3.055 3.018 2.972 2.923 2.891 2.853	34.512 34.516 34.519 34.522 34.528 34.532 34.535 34.540 34.544 34.547	27.477 27.483 27.489 27.495 27.503 27.510 27.517 27.525 27.531 27.537	33.011 33.109 33.206 33.305 33.405 33.504 33.603 33.704 33.802 33.900	27.469 27.475 27.480 27.486 27.494 27.501 27.508 27.517 27.522 27.528	69.1 68.1 67.6 66.8 66.2 65.6 64.3 63.7	16.908 17.045 17.182 17.317 17.452 17.585 17.716 17.847 17.976 18.104	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1482.9 1483.1 1483.5 1483.6 1483.9 1484.1 1484.3 1484.3	13067.4 13402.9 13741.0 14081.7 14425.1 14771.1 15119.7 15470.8 15824.5 16180.7	2.9 2.1 2.7 2.4 6.5 3.0 1.8 2.1
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.3 1407.1 1426.8 1446.6 1466.3 1486.0 1505.8 1525.5 1545.2 1564.9	2.917 2.889 2.860 2.827 2.795 2.761 2.723 2.703 2.671 2.644	2.818 2.789 2.758 2.724 2.691 2.656 2.617 2.595 2.562 2.534	34.550 34.555 34.555 34.561 34.564 34.567 34.569 34.572 34.574	27.542 27.547 27.552 27.558 27.562 27.568 27.573 27.577 27.583 27.586	33.998 34.095 34.191 34.289 34.385 34.483 34.581 34.676 34.774 34.869	27.533 27.538 27.542 27.548 27.553 27.559 27.564 27.568 27.573 27.577	63.3 62.8 62.5 61.9 61.0 60.4 60.1 59.6 59.3	18.231 18.357 18.482 18.607 18.730 18.853 18.974 19.094 19.214 19.333	90.5 90.5 90.5 90.5 90.5 90.5 90.5	1484.7 1484.9 1485.1 1485.3 1485.7 1485.8 1486.1 1486.3 1486.5	16539.3 16900.4 17264.0 17629.9 17998.3 18369.1 18742.3 19117.8 19495.6 19875.7	3.3 2.5 1.6 1.9 3.1 2.5 1.6 4.0 5.2
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.7 1604.4 1624.1 1643.8 1663.5 1683.2 1702.9 1722.7 1742.4 1762.1	2.611 2.581 2.550 2.515 2.489 2.455 2.425 2.397 2.374 2.349	2.500 2.468 2.436 2.400 2.372 2.337 2.305 2.276 2.252 2.226	34.577 34.582 34.585 34.587 34.590 34.593 34.595 34.596 34.599	27.591 27.596 27.601 27.606 27.616 27.621 27.621 27.625 27.628 27.632	34.966 35.063 35.160 35.257 35.352 35.450 35.546 35.642 35.737 35.832	27.582 27.587 27.592 27.600 27.606 27.611 27.615 27.618 27.622	58.8 58.4 57.9 57.4 57.0 56.1 55.7 55.4 55.0	19.451 19.569 19.685 19.800 19.914 20.028 20.141 20.252 20.364 20.474	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1486.7 1486.9 1487.1 1487.3 1487.5 1487.7 1488.1 1488.4 1488.6	20258.2 20642.9 21029.9 21419.1 21810.6 22204.3 22600.1 22998.2 23398.4 23800.7	4.3 1.4 4.1 2.9 1.7 1.2 .9
1800.0 1820.0 1840.0 1860.0 1880.0 1900.0 1920.0 1940.0 1960.0	1781.8 1801.5 1821.2 1840.9 1860.6 1880.3 1899.9 1919.6 1939.3 1959.0	2.320 2.292 2.273 2.249 2.236 2.211 2.188 2.162 2.151 2.135	2.195 2.167 2.146 2.121 2.106 2.079 2.055 2.028 2.016 1.998	34.602 34.603 34.605 34.607 34.612 34.615 34.618 34.619 34.621	27.637 27.641 27.644 27.650 27.659 27.663 27.665 27.665	35.929 36.024 36.119 36.214 36.307 36.404 36.499 36.595 36.688 36.782	27.627 27.630 27.633 27.637 27.639 27.644 27.653 27.653 27.654	54.5 54.2 53.9 53.6 53.4 52.9 52.5 52.1	20.584 20.692 20.801 20.908 21.015 21.121 21.227 21.331 21.435 21.539	90.5 90.4 90.5 90.5 90.5 90.5 90.5	1488.8 1489.0 1489.3 1489.5 1489.8 1490.0 1490.3 1490.8 1491.0	24205.2 24611.8 25020.4 25431.2 25844.0 26258.9 26675.9 27094.8 27515.8 27938.8	3.9 2.4 4.5 1.0 3.9 1.6 2.5
2000.0 2050.0 2100.0 2150.0 2250.0 2300.0 2350.0 2400.0 2450.0	1978.7 2027.9 2077.1 2126.3 2175.4 2224.6 2273.7 2322.8 2372.0 2421.1	2.114 2.060 2.023 1.990 1.958 1.927 1.901 1.864 1.835 1.809	1.975 1.919 1.878 1.841 1.805 1.770 1.740 1.667 1.667	34.624 34.626 34.630 34.635 34.638 34.641 34.644 34.667 34.650	27.673 27.679 27.684 27.692 27.702 27.706 27.706 27.712 27.717 27.721	36.877 37.111 37.344 37.578 37.809 38.040 38.270 38.502 38.733 38.961	27.662 27.667 27.673 27.680 27.685 27.690 27.699 27.704 27.708	51.3 50.2 49.6 49.2 48.8 48.4 47.5	21.642 21.897 22.149 22.399 22.645 22.890 23.133 23.373 23.612 23.848	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1491.3 1491.9 1492.6 1493.3 1494.0 1494.7 1495.4 1496.8 1497.6	28363.8 29434.9 30518.2 31613.6 32720.9 33840.0 34970.9 36113.4 37267.3 38432.7	1.4 2.0 1.1 2.1 2.1 1.9 2.2 -1.3
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2900.0 2950.0	2470.2 2519.3 2568.3 2617.4 2666.4 2715.5 2764.5 2813.5 2862.5 2911.5	1.784 1.762 1.736 1.713 1.697 1.676 1.659 1.641 1.627	1.607 1.582 1.551 1.524 1.504 1.479 1.458 1.436 1.417	34.654 34.659 34.660 34.663 34.665 34.666 34.669 34.669 34.669	27.725 27.728 27.732 27.736 27.739 27.743 27.745 27.749 27.751 27.753	39.191 39.418 39.647 39.875 40.102 40.329 40.555 40.781 41.006 41.231	27.712 27.715 27.719 27.722 27.725 27.728 27.731 27.734 27.735 27.738	46.9 46.3 46.8 45.5 45.3 45.1 45.0	24.084 24.317 24.550 24.781 25.010 25.238 25.465 25.691 25.917 26.142	90.5 90.4 90.5 90.4 90.4 90.4 90.5 90.5 90.5	1498.3 1499.1 1499.8 1500.5 1501.3 1502.1 1502.8 1503.6 1503.4 1505.2	39609.4 40797.3 41996.4 43206.5 44427.7 45659.8 46902.8 48156.6 49421.2 50696.5	2.1 .3 .1 1.6 1.4 .2 1.4 9
3000.0 3050.0 3100.0 3150.0 3200.0 3250.0 3350.0 3400.0 3450.0	2960.5 3009.5 3058.5 3107.4 3156.4 3205.3 3254.2 3303.1 3352.0 3400.9	1.599 1.590 1.579 1.564 1.556 1.544 1.533 1.522 1.515	1.379 1.366 1.351 1.331 1.318 1.302 1.286 1.270 1.258 1.248	34.672 34.673 34.674 34.676 34.677 34.678 34.681 34.682 34.683 34.684	27.756 27.758 27.760 27.763 27.764 27.766 27.769 27.771 27.773	41.455 41.679 41.902 42.127 42.349 42.572 42.796 43.018 43.240 43.461	27.740 27.741 27.743 27.746 27.747 27.749 27.751 27.753 27.755 27.756	44.7 44.6 44.4 44.3 44.2 44.1 44.0 43.9	26.365 26.589 26.812 27.035 27.256 27.478 27.698 27.918 28.138 28.358	90.4 90.5 90.4 90.4 90.4 90.4 90.4	1506.0 1506.8 1507.6 1508.4 1509.2 1510.8 1511.6 1512.4 1513.3	51982.6 53279.3 54586.6 55904.6 57233.1 58572.1 59921.7 61281.8 62652.3 64033.2	-1.0 -1.6 1 .0 1.8 -1.7 2 4 .8
3500.0 3550.0 3650.0 3650.0 3750.0 3850.0 3850.0 3950.0	3449.8 3498.6 3547.5 3596.3 3645.2 3694.0 3742.8 3791.6 3840.4 3889.2	1.507 1.501 1.496 1.494 1.492 1.492 1.494 1.492 1.496 1.498	1.241 1.229 1.219 1.212 1.205 1.199 1.186 1.189 1.188	34.684 34.686 34.687 34.688 34.689 34.689 34.689 34.691 34.691	27.775 27.777 27.779 27.780 27.781 27.782 27.783 27.784 27.784 27.784	43.681 43.902 44.122 44.342 44.561 44.780 44.997 45.216 45.433 45.650	27.756 27.758 27.759 27.760 27.761 27.761 27.763 27.763 27.762	44.0 43.9 43.9 44.0 44.1 44.2 44.2	28.577 28.797 29.016 29.236 29.455 29.676 29.896 30.117 30.339 30.562	90.4 90.5 90.4 90.4 90.4 90.4 90.4	1514.1 1515.0 1515.8 1516.6 1517.5 1518.3 1519.2 1520.1 1520.9 1521.8	65424.5 66826.3 68238.5 69661.0 71094.0 72537.4 73991.3 75455.6 76930.4 78415.7	3 5 1.6 -1.2 3 1.6
4000.0 4050.0 4100.0 4150.0 4200.0 4250.0 4350.0 4400.0 4412.0	3937.9 3986.7 4035.4 4084.2 4132.9 4181.6 4230.3 4279.0 4327.7 4339.4	1.500 1.501 1.505 1.508 1.511 1.515 1.518 1.522 1.526 1.528	1.180 1.176 1.175 1.172 1.169 1.168 1.165 1.163 1.161	34.692 34.692 34.692 34.693 34.693 34.693 34.693 34.694 34.694	27.785 27.786 27.786 27.787 27.787 27.788 27.788 27.788 27.789 27.789	45.867 46.083 46.299 46.515 46.731 46.946 47.161 47.376 47.591 47.642	27.763 27.763 27.763 27.763 27.763 27.762 27.763 27.762 27.763 27.763	44.7 44.8 45.0 45.2 45.3 45.7 45.9 46.0 46.1	30.785 31.008 31.233 31.458 31.684 31.911 32.139 32.368 32.597 32.653	90.3 90.4 90.3 90.4 90.3 90.4 90.3	1522.7 1523.5 1524.4 1525.3 1526.2 1527.1 1527.9 1528.8 1529.7 1529.9	79911.6 81418.0 82935.0 84462.6 86000.9 87549.9 89109.7 90680.3 92261.6 92642.7	1 1.4 .9 .6 1.0 7 4 .5

Station	24	Latitude	33. 05	62'N	Longit	ude 128°	00.94'W	2	4 Aug 198	9 GMT 1	11:36	Bottom	4500 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-6 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht g J/kg	LTR 0/0		m ³ /s ²	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.8 59.8 69.8 79.7	19.475 19.478 19.485 19.481 19.320 17.734 16.142 15.701 14.617	19.475 19.476 19.482 19.475 19.432 19.311 17.724 16.131 15.688 14.604	33.751 33.752 33.755 33.755 33.762 33.764 33.644 33.622 33.454	23.947 23.947 23.948 23.953 23.954 24.394 24.675 24.759 24.867	23.947 23.990 24.035 24.077 24.127 24.210 24.655 24.983 25.111 25.264	23.947 23.947 23.947 23.946 23.951 23.991 24.391 24.674 24.756 24.864	395.1 395.4 395.7 396.2 396.0 392.5 354.6 327.9 320.3 310.1	.000 .395 .791 1.187 1.583 1.978 2.353 2.690 3.013 3.330	89.8 89.9 89.8 89.7 89.7 89.7 89.9	1519.2 1519.4 1519.6 1519.8 1519.6 1515.2 1510.4 1509.2	.0 2.0 7.9 17.7 31.5 49.3 70.9 96.0 124.4	.0 2.4 -1.1 3 32.2 178.4 462.5 133.1 34.9 191.7
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.6 109.6 119.6 129.5 139.4 149.4 159.4 169.3 179.2 189.2	13.969 13.502 13.322 13.300 12.926 11.852 11.593 11.207 11.012 10.504	13.955 13.487 13.306 13.282 12.908 11.833 11.573 11.186 10.990 10.481	33.423 33.363 33.458 33.595 33.647 33.556 33.560 33.609 33.606	24.978 25.028 25.138 25.249 25.364 25.479 25.578 25.782	25.421 25.517 25.671 25.826 25.987 26.170 26.287 26.415 26.549 26.636	24.976 25.025 25.135 25.245 25.360 25.496 25.568 25.650 25.737 25.778	299.7 295.1 284.9 274.7 263.9 251.0 244.3 236.6 228.5 224.7	3.634 3.931 4.223 4.502 4.771 5.029 5.277 5.518 5.751 5.977	89.9 89.3 90.4 90.5 90.6 90.7 90.7	1503.7 1502.3 1502.0 1502.2 1501.2 1497.6 1496.9 1495.3 1493.5	190.7 228.4 269.0 312.4 358.5 407.3 458.5 512.2 568.3 626.6	95.8 42.1 174.2 149.3 149.8 129.4 50.9 125.5 54.0 25.8
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 228.9 238.9 248.8 258.8 268.7 278.6 288.6	10.369 10.166 9.897 9.567 9.232 9.054 8.745 8.658 8.410 8.061	10.345 10.142 9.872 9.541 9.206 9.027 8.718 8.630 8.382 8.032	33.663 33.707 33.773 33.823 33.884 33.909 33.916 33.958 33.971 33.975	25.850 25.919 26.016 26.110 26.212 26.259 26.361 26.408 26.465	26.749 26.864 27.007 27.148 27.296 27.390 27.491 27.584 27.678 27.782	25.846 25.915 26.012 26.106 26.208 26.256 26.310 26.356 26.404 26.460	218.4 212.0 202.9 194.1 184.4 180.0 174.9 170.6 166.2 160.8	6.198 6.414 6.620 6.818 7.006 7.189 7.366 7.539 7.707 7.871	90.8 90.8 90.8 90.7 90.8 90.7 90.7 90.7	1493.3 1492.7 1492.0 1491.0 1499.6 1488.6 1488.5 1487.7 1486.5	687.1 749.8 814.6 881.4 950.1 1020.6 1092.9 1166.9 1242.7 1320.0	36.0 122.7 69.4 88.3 33.8 82.4 36.9 33.4 40.1 63.8
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.1 358.1 368.0 377.9 387.8	7.950 7.754 7.542 7.400 7.313 7.089 6.980 6.762 6.602 6.469	7.920 7.724 7.511 7.369 7.280 7.056 6.946 6.728 6.568 6.434	33.990 33.988 33.991 33.995 33.995 34.002 33.988 33.984 33.995	26.493 26.516 26.550 26.573 26.588 26.619 26.640 26.659 26.677 26.703	27.856 27.926 28.007 28.076 28.138 28.216 28.283 28.349 28.415 28.488	26.489 26.511 26.546 26.568 26.615 26.635 26.654 26.673 26.699	158.2 156.1 152.9 150.8 149.4 146.5 144.6 142.8 141.1 138.6	8.030 8.187 8.342 8.494 8.644 8.792 8.938 9.081 9.223 9.363	90.7 90.6 90.7 90.6 90.6 90.6 90.6	1486.3 1485.7 1485.0 1484.7 1484.5 1483.8 1483.5 1482.3 1482.3	1399.0 1479.5 1561.6 1645.2 1730.2 1816.8 1904.8 1994.2 2085.1 2177.3	14.0 18.6 35.3 18.3 23.8 22.3 15.0 5.6 20.2 21.6
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.6 427.5 437.5 447.4 457.3 467.2 477.1	6.332 6.283 6.273 6.130 6.189 6.033 5.948 5.708 5.643	6.296 6.247 6.236 6.092 6.151 5.994 5.908 5.668 5.603	34.001 34.016 34.033 34.032 34.067 34.067 34.056 34.056 34.064 34.077	26.726 26.744 26.758 26.776 26.810 26.827 26.848 26.862 26.877	28.557 28.621 28.681 28.747 28.811 28.872 28.935 29.005 29.127	26.721 26.739 26.753 26.772 26.792 26.805 26.822 26.843 26.858 26.872	136.6 134.9 133.7 132.0 130.3 129.0 127.5 125.3 124.0 122.7	9.501 9.636 9.771 9.904 10.035 10.164 10.292 10.419 10.543 10.667	90.6 90.6 90.5 90.5 90.5 90.5 90.5	1481.6 1481.6 1481.7 1481.3 1481.8 1481.3 1481.1 1480.2 1480.2	2270.9 2365.9 2462.2 2559.8 2658.7 2758.9 2860.4 2963.1 3067.1 3172.3	15.4 11.9 8.1 15.4 17.5 16.3 9.3 26.5 16.5
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0	497.0 506.9 516.8 526.7 536.6 546.6 556.5 566.4 576.3 586.2	5.518 5.470 5.480 5.499 5.358 5.273 5.224 5.159 5.086 5.037	5.477 5.428 5.437 5.455 5.314 5.228 5.179 5.113 5.040 4.990	34.080 34.090 34.110 34.130 34.132 34.140 34.152 34.158 34.162 34.171	26.890 26.904 26.919 26.933 26.951 26.967 26.982 26.994 27.007 27.019	29.187 29.247 29.307 29.366 29.431 29.494 29.556 29.615 29.674 29.733	26.885 26.899 26.914 26.927 26.946 26.962 26.977 26.989 27.001	121.5 120.3 119.0 117.9 116.1 114.6 113.2 112.1 110.9 109.8	10.789 10.910 11.030 11.148 11.265 11.381 11.495 11.607 11.719 11.829	90.6 90.5 90.6 90.5 90.5 90.5 90.5	1480.1 1480.0 1480.3 1480.1 1480.0 1479.9 1479.8 1479.7 1479.7	3278.7 3386.3 3495.1 3605.0 3716.2 3828.4 3941.8 4056.3 4172.0 4288.7	8.6 8.0 18.3 9.2 19.2 18.6 8.6 19.7
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.1 606.0 616.0 625.9 635.8 645.7 655.6 655.5 675.4 685.3	4.988 4.879 4.829 4.790 4.745 4.689 4.656 4.597 4.525	4.940 4.830 4.780 4.740 4.694 4.638 4.605 4.545 4.535 4.472	34.177 34.175 34.188 34.192 34.198 34.205 34.218 34.218 34.222 34.229 34.238	27.030 27.041 27.057 27.064 27.074 27.100 27.110 27.116 27.130	29.790 29.848 29.911 29.964 30.021 30.079 30.139 30.196 30.248 30.309	27.024 27.035 27.051 27.058 27.068 27.080 27.094 27.104 27.111 27.124	108.9 107.8 106.3 105.7 104.8 103.7 102.5 101.6 101.0 99.7	11.938 12.047 12.154 12.260 12.365 12.469 12.572 12.674 12.775 12.876	90.5 90.6 90.5 90.5 90.5 90.5 90.5 90.5	1479.7 1479.4 1479.4 1479.3 1479.3 1479.3 1479.3	4406.5 4525.3 4645.3 4766.2 4888.2 5011.3 5135.3 5260.4 5386.5 5513.6	16.8 9.7 9.7 3.3 10.0 8.3 14.4 9.2 10.0 10.3
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.2 705.1 715.0 724.9 734.8 754.6 764.5 774.4 784.3	4.509 4.489 4.477 4.445 4.411 4.376 4.345 4.345 4.274 4.232	4.455 4.434 4.421 4.389 4.354 4.354 4.287 4.287 4.242 4.215 4.172	34.251 34.257 34.268 34.273 34.280 34.292 34.301 34.310 34.316 34.328	27.142 27.150 27.159 27.167 27.176 27.189 27.200 27.212 27.220 27.234	30.367 30.420 30.476 30.530 30.585 30.645 30.702 30.760 30.815 30.875	27.136 27.144 27.153 27.161 27.170 27.183 27.194 27.206 27.214 27.227	98.7 98.0 97.2 96.5 95.7 94.6 92.5 91.8 90.5	12.975 13.073 13.171 13.268 13.364 13.459 13.553 13.646 13.738 13.830	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1479.4 1479.5 1479.6 1479.7 1479.7 1479.7 1479.8 1479.8 1479.8	5641.6 5770.6 5900.6 6031.5 6163.4 6296.2 6430.0 6564.7 6700.3 6836.7	8.3 11.5 3.9 7.4 11.5 14.2 11.2 11.2
800.0 810.0 820.0 830.0 840.0 850.0 860.0 860.0 890.0	794.3 804.2 814.0 823.9 833.8 843.7 853.6 863.5 873.4 883.3	4.194 4.180 4.179 4.171 4.137 4.121 4.088 4.053 4.053 4.052	4.134 4.119 4.117 4.108 4.074 4.057 4.023 3.987 3.986 3.940	34.338 34.346 34.356 34.363 34.370 34.377 34.382 34.387 34.394 34.397	27.246 27.254 27.262 27.268 27.278 27.285 27.292 27.300 27.306 27.313	30.933 30.987 31.041 31.092 31.149 31.202 31.255 31.310 31.361 31.415	27.239 27.247 27.256 27.261 27.271 27.278 27.285 27.294 27.299 27.306	89.4 88.7 88.0 87.6 86.7 86.1 85.4 84.3 84.3	13.920 14.009 14.097 14.185 14.272 14.358 14.444 14.529 14.613 14.697	90.4 90.5 90.5 90.5 90.5 90.5 90.4 90.4	1479.9 1480.0 1480.2 1480.3 1480.3 1480.4 1480.5 1480.5 1480.7 1480.6	6974.1 7112.4 7251.5 7391.5 7532.3 7674.0 7816.5 7959.9 8104.1 8249.1	9.5 6.0 2.5 7.2 8.0 8.6 11.9 8.1 3.7
900.0 910.0 920.0 930.0 940.0 950.0 960.0 980.0 990.0	893.2 903.1 913.0 922.9 932.8 942.7 952.6 962.5 972.4 982.3	3.997 3.963 3.939 3.906 3.875 3.852 3.838 3.822 3.799 3.775	3.929 3.895 3.871 3.837 3.805 3.767 3.750 3.750 3.727 3.702	34.400 34.412 34.419 34.423 34.427 34.427 34.435 34.435 34.440 34.446	27.316 27.324 27.332 27.341 27.347 27.353 27.358 27.362 27.369 27.369	31.464 31.519 31.573 31.628 31.680 31.732 31.783 31.833 31.886 31.939	27.310 27.317 27.325 27.334 27.340 27.346 27.351 27.355 27.361 27.368	83.3 82.6 81.9 81.1 80.5 80.1 79.6 79.3 78.7	14.781 14.864 14.946 15.028 15.108 15.189 15.269 15.348 15.427 15.505	90.5 90.4 90.4 90.4 90.5 90.4 90.5 90.4	1480.8 1480.8 1480.9 1480.9 1481.0 1481.1 1481.2 1481.3	8395.0 8541.6 8689.1 8837.4 8837.4 8937.3 9287.0 9438.4 9590.6 9743.6	2.8 9.2 9.8 10.1 4.6 2.8 1.9 10.2 5.2

Station	24	Latitude	33° 05.	62'N	Longitu	ide 128°	00.94'W	24	Aug 1989	GMT 11	L:36	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0 1180.0	992.2 1011.9 1031.7 1051.5 1071.3 1091.0 1110.8 1130.6 1150.3 1170.1	3.753 3.686 3.619 3.556 3.556 3.454 3.412 3.379 3.343	3.680 3.611 3.543 3.529 3.477 3.421 3.373 3.330 3.295 3.258	34.450 34.456 34.462 34.473 34.481 34.489 34.492 34.496 34.500 34.504	27.381 27.392 27.404 27.415 27.426 27.438 27.445 27.452 27.459 27.465	31.991 32.095 32.200 32.302 32.405 32.510 32.610 32.709 32.808 32.907	27.374 27.385 27.397 27.407 27.418 27.430 27.437 27.444 27.451 27.457	77.6 76.6 75.5 74.6 73.6 72.6 71.9 71.3 70.7	15.583 15.738 15.889 16.040 16.188 16.334 16.478 16.621 16.763 16.904	90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4	1481.5 1481.6 1481.9 1482.0 1482.1 1482.2 1482.4 1482.6 1482.8	9897.3 10207.1 10519.8 10835.5 11154.1 11475.6 11799.9 12127.0 12456.9 12789.6	9.0 12.2 5.2 5.5 2.6 5.2 4.9 1.4 5.3
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0 1380.0	1189.8 1209.6 1229.4 1249.1 1268.9 1288.6 1308.4 1328.1 1347.9 1367.6	3.303 3.264 3.226 3.189 3.131 3.088 3.062 3.012 2.984 2.953	3.217 3.176 3.137 3.099 3.040 2.996 2.968 2.918 2.887 2.856	34.509 34.513 34.517 34.526 34.526 34.531 34.531 34.535 34.538 34.541	27.473 27.480 27.487 27.503 27.510 27.513 27.521 27.527 27.532	33.007 33.106 33.204 33.303 33.406 33.505 33.600 33.701 33.798 33.895	27.465 27.472 27.478 27.485 27.494 27.502 27.505 27.513 27.518 27.523	69.5 68.9 68.3 67.7 66.8 65.1 65.1 64.7	17.044 17.182 17.319 17.455 17.590 17.722 17.854 17.985 18.115 18.244	90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4	1482.9 1483.1 1483.3 1483.5 1483.5 1483.7 1483.9 1484.0 1484.3 1484.5	13125.0 13463.2 13804.0 14147.4 14493.6 14842.3 15193.6 15547.4 15903.8 16262.8	5.3 2.4 4.4 2.7 2.7 1.5 4.5 2.7
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.3 1407.1 1426.8 1446.6 1466.3 1486.0 1505.7 1525.5 1545.2 1564.9	2.930 2.898 2.868 2.831 2.794 2.773 2.734 2.717 2.690 2.671	2.831 2.798 2.766 2.729 2.690 2.667 2.628 2.609 2.581 2.561	34.544 34.550 34.555 34.556 34.566 34.567 34.569 34.569	27.536 27.542 27.554 27.5559 27.565 27.575 27.572 27.578 27.578	33.991 34.089 34.186 34.285 34.382 34.480 34.579 34.673 34.768 34.864	27.527 27.533 27.538 27.545 27.556 27.556 27.562 27.565 27.569 27.573	63.9 63.3 62.9 62.2 61.8 61.3 60.4 60.1 59.8	18.372 18.500 18.626 18.751 18.875 18.998 19.120 19.241 19.361 19.481	90.4 90.4 90.4 90.4 90.3 90.4 90.4	1484.7 1484.9 1485.1 1485.3 1485.5 1485.7 1485.9 1486.1 1486.4 1486.6	16624.2 16988.1 17354.4 17723.3 18094.5 18468.1 18844.1 19222.5 19603.2 19986.3	3.6 2.2 1.9 5.7 4.2 2.4 2.8 3.4 2.0
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.6 1604.4 1624.1 1643.8 1663.5 1683.2 1702.9 1722.6 1742.3 1762.0	2.645 2.605 2.565 2.529 2.494 2.466 2.428 2.398 2.376 2.356	2.533 2.492 2.450 2.414 2.377 2.348 2.309 2.278 2.254 2.232	34.574 34.580 34.583 34.586 34.588 34.592 34.595 34.597 34.599	27.586 27.593 27.598 27.603 27.609 27.613 27.620 27.625 27.628 27.632	34.960 35.059 35.156 35.253 35.351 35.447 35.546 35.642 35.737 35.832	27.577 27.583 27.588 27.594 27.599 27.610 27.615 27.618 27.621	59.4 58.8 58.3 57.8 57.8 56.8 56.1 55.4 55.1	19.601 19.719 19.836 19.952 20.067 20.181 20.294 20.405 20.516 20.627	90.4 90.4 90.4 90.4 90.4 90.4 90.4	1486.8 1487.0 1487.2 1487.4 1487.5 1487.9 1487.9 1488.1 1488.4 1488.6	20371.7 20759.3 21149.3 21541.5 21936.0 22332.6 22731.5 23132.5 23535.7 23941.1	2.6 4.9 6 2.6 2.0 2.0 2.1
1800.0 1820.0 1840.0 1860.0 1900.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.8 1801.4 1821.1 1840.8 1860.5 1880.2 1899.9 1919.6 1939.3 1959.0	2.325 2.304 2.273 2.250 2.232 2.203 2.180 2.164 2.144 2.123	2.200 2.178 2.145 2.121 2.102 2.072 2.047 2.030 2.008 1.986	34.600 34.604 34.609 34.612 34.614 34.615 34.617 34.619	27.636 27.639 27.643 27.650 27.655 27.655 27.6659 27.6661 27.668	35.927 36.023 36.118 36.214 36.308 36.404 36.500 36.593 36.687 36.782	27.625 27.629 27.633 27.637 27.639 27.645 27.648 27.650 27.654 27.657	54.7 54.3 53.9 53.5 52.8 52.5 52.3 52.0 51.7	20.736 20.845 20.954 21.061 21.168 21.274 21.379 21.484 21.588 21.692	90.4 90.3 90.3 90.4 90.4 90.4 90.4	1488.8 1489.1 1489.3 1489.5 1489.0 1490.0 1490.2 1490.7 1490.7	24348.6 24758.2 25169.8 25583.6 25999.5 26417.4 26837.3 27259.3 27683.3 28109.2	2.1 3.3 2.4 3.3 2.4 3.6 -1.0 2.2 1.3
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2350.0 2400.0 2450.0	1978.7 2027.9 2077.1 2126.2 2175.4 2224.5 2273.7 2322.8 2371.9 2421.0	2.101 2.057 2.013 1.980 1.948 1.912 1.876 1.842 1.816 1.790	1.963 1.915 1.867 1.831 1.795 1.755 1.716 1.678 1.647	34.622 34.632 34.635 34.638 34.642 34.645 34.648 34.651 34.653	27.672 27.680 27.687 27.693 27.698 27.704 27.709 27.714 27.719 27.723	36.877 37.112 37.347 37.579 37.811 38.043 38.274 38.506 38.736 38.965	27.661 27.668 27.676 27.681 27.686 27.692 27.697 27.702 27.706 27.710	51.3 50.6 49.9 49.5 49.0 48.0 47.6 47.2 46.9	21.795 22.050 22.301 22.550 22.796 23.040 23.281 23.520 23.757 23.992	90.3 90.4 90.4 90.4 90.3 90.3 90.3	1491.2 1491.9 1492.5 1493.2 1493.9 1494.6 1495.3 1496.0 1496.7 1497.5	28537.2 29615.8 30706.6 31809.4 32924.1 34050.6 35188.8 36338.4 37499.5 38672.0	3.1 2.3 1.5 1.6 2.2 1.9
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2850.0 2900.0 2950.0	2470.1 2519.2 2568.3 2617.4 2666.4 2715.4 2764.5 2813.5 2862.5 2911.5	1.760 1.735 1.712 1.688 1.676 1.661 1.646 1.632 1.622	1.584 1.555 1.528 1.499 1.484 1.464 1.445 1.427 1.412	34.655 34.657 34.658 34.662 34.664 34.666 34.667 34.667 34.670	27.727 27.731 27.734 27.739 27.742 27.744 27.747 27.750 27.751 27.754	39.194 39.423 39.650 39.880 40.105 40.332 40.557 40.783 41.007 41.232	27.714 27.718 27.720 27.725 27.727 27.730 27.732 27.735 27.736 27.739	46.5 46.2 46.0 45.6 45.3 45.1 45.0 44.9	24.226 24.458 24.688 24.917 25.145 25.372 25.598 25.823 26.048 26.272	90.3 90.4 90.3 90.3 90.3 90.3 90.4 90.3	1498.2 1498.9 1499.7 1500.4 1501.2 1502.0 1502.8 1503.6 1504.4 1505.2	39855.6 41050.5 42256.4 43473.3 44701.1 45939.7 47189.2 48449.4 49720.4 51002.1	1.5 .6 .1 1.0 -2.1 .3 .0 5
3000.0 3016.0	2960.5 2976.1	1.597 1.592	1.378 1.371	34.672 34.673	27.756 27.757	41.456 41.528	27.740 27.741	44.7 44.6	26.495 26.567	90.3 90.4	1506.0 1506.2	52294.5 52710.3	1.9

Station	25	Latitude	33° 19.	17'N	Longit	ude 127°	52.71'W	24	Aug 1989	GMT 1	4:48	Bottom	4525 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-θ kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	.0 10.0 19.9 29.9 39.9 49.8 59.8 79.7 89.7	19.478 19.484 19.485 19.485 19.465 19.414 19.385 18.022 17.047 16.192	19.478 19.482 19.481 19.458 19.405 19.374 18.010 17.034 16.178	33.623 33.624 33.624 33.625 33.701 33.784 33.819 33.787 33.783	23.849 23.848 23.848 23.913 23.913 23.967 23.9967 24.376 24.576 24.772	23.849 23.892 23.935 23.979 24.087 24.184 24.258 24.671 24.926 25.166	23.849 23.848 23.847 23.912 23.965 23.995 23.995 24.573 24.768	404.5 404.9 405.2 405.6 399.8 395.0 392.4 357.6 337.8 319.4	.000 .405 .810 1.215 1.619 2.015 2.409 2.792 3.137 3.466	90.1 90.2 90.2 90.2 90.1 90.3 90.3 90.1 90.1	1519.1 1519.3 1519.6 1519.8 1519.9 1520.0 1516.3 1513.5 1511.1	.0 2.0 8.1 18.2 32.3 50.4 72.5 98.4 128.0 160.9	-3.8 4.9 1.3 140.9 6.5 14.7 432.1 74.7 149.2
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	15.488 14.720 14.752 14.485 14.067 13.479 12.842 12.022 11.235 10.502	15.472 14.703 14.734 14.466 14.047 13.458 12.820 12.000 11.212 10.479	33.739 33.684 33.823 33.894 33.929 33.817 33.788 33.741 33.781	24.897 25.022 25.123 25.235 25.350 25.428 25.513 25.649 25.758 25.919	25.337 25.508 25.652 25.809 25.970 26.094 26.224 26.407 26.564 26.773	24.894 25.019 25.119 25.231 25.346 25.424 25.508 25.644 25.754 25.915	307.7 295.9 286.7 276.2 265.5 258.2 250.3 237.4 227.0 211.7	3.781 4.082 4.375 4.656 4.928 5.190 5.445 5.689 5.921 6.141	90.3 90.4 90.6 90.7 90.9 91.0 91.1 91.1	1509.0 1506.7 1507.1 1506.5 1505.3 1503.5 1501.5 1498.8 1496.1 1493.7	196.9 236.1 278.2 323.1 370.8 421.2 474.1 529.4 587.2 647.2	158.2 98.0 183.8 108.2 113.5 43.9 85.4 85.8 108.5 129.8
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 228.9 238.8 258.8 268.7 278.6 288.6	9.959 9.671 9.446 9.176 8.963 8.864 8.686 8.537 8.383 8.177	9.936 9.648 9.422 9.151 8.938 8.837 8.659 8.354 8.147	33.808 33.840 33.889 33.907 33.944 33.979 33.979 33.994 33.998	26.032 26.105 26.181 26.238 26.302 26.372 26.408 26.430 26.466	26.933 27.052 27.174 27.278 27.387 27.455 27.550 27.632 27.700 27.782	26.028 26.101 26.177 26.235 26.298 26.320 26.368 26.403 26.426 26.461	201.0 194.1 187.1 181.7 175.8 173.8 169.3 166.1 164.1 160.8	6.347 6.545 6.736 6.919 7.098 7.273 7.444 7.612 7.777 7.939	91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1	1492.0 1491.1 1490.5 1489.7 1489.1 1488.9 1488.4 1488.1 1487.6 1487.0	709.2 773.3 839.3 907.2 976.8 1048.2 1121.3 1196.1 1272.5 1350.6	51.2 70.8 83.9 33.5 68.3 47.5 42.6 21.4
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.1 358.1 358.0 377.9 367.8	8.013 7.851 7.596 7.443 7.274 7.100 6.913 6.762 6.647 6.487	7.983 7.820 7.565 7.411 7.241 7.068 6.880 6.728 6.612 6.452	33.999 34.000 33.995 33.987 33.984 33.991 33.994 33.992 34.000	26.491 26.515 26.548 26.588 26.610 26.640 26.663 26.678 26.704	27.853 27.924 28.004 28.071 28.138 28.206 28.284 28.354 28.415 28.488	26.486 26.510 26.543 26.564 26.583 26.605 26.636 26.636 26.673 26.700	158.5 156.3 153.1 151.2 149.5 147.4 144.5 144.5 141.1	8.099 8.257 8.411 8.564 8.714 8.863 9.009 9.153 9.294 9.434	91.0 91.0 91.0 90.9 90.9 90.9 90.9 90.8	1486.6 1486.1 1485.3 1484.8 1484.3 1483.8 1483.2 1482.5 1482.1	1430.2 1511.4 1594.2 1678.5 1764.2 1851.5 1940.2 2030.3 2121.9 2214.8	23.9 23.3 32.4 31.4 19.7 69.5 49.2 22.5 11.1 18.1
400.0 410.0 420.0 430.0 440.0 450.0 470.0 480.0 490.0	397.8 407.7 417.6 427.5 437.5 447.4 457.3 467.2 477.1 487.0	6.304 6.189 6.033 5.923 5.781 5.720 5.619 5.494 5.299	6.269 6.153 5.997 5.887 5.744 5.682 5.580 5.455 5.412 5.259	34.002 34.003 34.000 34.005 34.015 34.019 34.019 34.040 34.045	26.730 26.745 26.763 26.778 26.798 26.814 26.830 26.845 26.867 26.889	28.561 28.624 28.688 28.750 28.818 28.879 28.942 29.004 29.072 29.142	26.725 26.741 26.758 26.774 26.809 26.825 26.840 26.862 26.884	136.1 134.7 133.0 131.6 129.7 128.3 126.8 125.4 123.4 121.3	9.572 9.707 9.841 9.973 10.103 10.232 10.360 10.486 10.610 10.732	90.8 90.7 90.7 90.7 90.7 90.7 90.6 90.7 90.7	1481.5 1481.2 1480.7 1480.5 1480.1 1480.0 1479.7 1479.4 1479.0	2309.2 2404.8 2501.8 2600.1 2699.7 2800.6 2902.7 3006.1 3110.7 3216.6	18.7 14.5 20.7 18.3 15.4 21.8 21.5 8.0 22.6 9.4
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.8 526.7 536.6 546.5 556.4 576.3 586.2	5.226 5.155 5.095 5.020 4.886 4.831 4.769 4.726 4.802	5.185 5.114 5.054 4.978 4.912 4.843 4.787 4.725 4.681 4.756	34.047 34.052 34.061 34.067 34.075 34.085 34.095 34.102 34.112 34.139	26.899 26.911 26.925 26.938 26.952 26.968 26.982 26.995 27.008 27.020	29.198 29.257 29.318 29.378 29.439 29.501 29.562 29.622 29.681 29.737	26.894 26.906 26.920 26.933 26.948 26.963 26.978 26.990 27.003 27.015	120.4 119.3 118.0 116.7 115.4 114.0 112.6 111.5 110.3 109.4	10.853 10.973 11.092 11.209 11.325 11.440 11.553 11.665 11.776 11.886	90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7	1478.8 1478.7 1478.5 1478.5 1478.3 1478.3 1478.2 1478.2 1478.7	3323.6 3431.8 3541.3 3651.8 3763.5 3876.4 3990.4 4105.5 4221.6 4338.9	13.5 20.8 19.4 10.6 13.2 14.7 19.6 5.6
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.1 606.0 615.9 625.8 635.8 645.7 655.6 675.4 685.3	5.112 5.112 5.090 5.039 4.962 4.890 4.827 4.692 4.642 4.654	5.063 5.063 5.040 4.988 4.911 4.839 4.775 4.639 4.589	34.207 34.230 34.240 34.245 34.253 34.253 34.258 34.257 34.277	27.039 27.057 27.068 27.078 27.088 27.102 27.113 27.124 27.133 27.147	29.797 29.861 29.917 29.974 30.031 30.092 30.149 30.208 30.263 30.323	27.033 27.052 27.062 27.072 27.082 27.096 27.107 27.118 27.127 27.141	108.2 106.6 105.7 104.8 103.8 102.5 101.5 100.4 99.6 98.4	11.994 12.102 12.208 12.313 12.418 12.521 12.623 12.724 12.824 12.923	90.8 90.8 90.7 90.7 90.7 90.7 90.8 90.8	1480.2 1480.4 1480.5 1480.5 1480.3 1480.2 1480.1 1479.7 1479.7	4457.3 4576.7 4697.2 4818.7 4941.2 5064.8 5189.3 5314.9 541.4 5569.0	9.2 15.1 12.2 12.4 11.3 14.5 7.7 8.3 6.0 10.7
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.2 705.1 715.0 724.9 734.8 744.7 754.6 764.5 774.4 784.3	4.574 4.592 4.493 4.455 4.414 4.417 4.409 4.411 4.395 4.325	4.520 4.537 4.437 4.399 4.357 4.359 4.351 4.351 4.335	34.279 34.296 34.295 34.300 34.314 34.330 34.341 34.350 34.356 34.359	27.157 27.169 27.179 27.187 27.203 27.216 27.225 27.232 27.239 27.248	30.381 30.438 30.495 30.550 30.612 30.670 30.725 30.778 30.831 30.887	27.151 27.163 27.173 27.181 27.197 27.209 27.219 27.226 27.232 27.242	97.4 96.4 95.4 94.7 93.2 92.1 91.4 90.8 90.2 89.3	13.021 13.118 13.214 13.309 13.402 13.495 13.587 13.678 13.769 13.859	90.7 90.8 90.7 90.8 90.7 90.8 90.8 90.8	1479.7 1480.0 1479.7 1479.8 1479.8 1480.0 1480.1 1480.3 1480.4 1480.3	5697.5 5826.9 5957.3 6088.7 6221.0 6354.1 6488.2 6623.2 6759.1 6895.9	9.8 4.2 13.3 7.1 8.6 11.5 9.2 1.0 8.3
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 890.0	794.2 804.1 814.0 823.9 833.8 843.7 853.6 863.5 873.4 883.3	4.306 4.270 4.241 4.215 4.188 4.166 4.126 4.121 4.085 4.051	4.245 4.209 4.179 4.152 4.124 4.102 4.061 4.045 4.019 3.984	34.364 34.374 34.377 34.383 34.386 34.398 34.398 34.403 34.408 34.413	27.254 27.266 27.272 27.280 27.285 27.285 27.301 27.307 27.313 27.321	30.940 30.997 31.049 31.103 31.154 31.209 31.263 31.315 31.368 31.422	27.248 27.260 27.265 27.273 27.278 27.286 27.294 27.300 27.306 27.314	88.8 87.3 86.6 86.2 85.4 84.2 83.6 82.9	13.948 14.036 14.123 14.210 14.296 14.382 14.467 14.552 14.635 14.719	90.7 90.9 90.7 90.8 90.7 90.7 90.7 90.7	1480.4 1480.4 1480.4 1480.5 1480.6 1480.7 1480.7 1480.8 1480.8	7033.5 7172.0 7311.4 7451.7 7592.7 7734.7 7877.4 8021.0 8165.4 8310.7	11.3 6.3 7.5 6.9 8.9 9.8 12.2 4.3 8.1 7.2
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.2 903.1 913.0 922.9 932.8 942.7 952.6 962.5 972.3 982.2	4.029 4.008 3.980 3.923 3.898 3.884 3.858 3.858 3.796 3.775	3.962 3.940 3.911 3.853 3.828 3.813 3.787 3.756 3.724 3.701	34.418 34.425 34.425 34.431 34.431 34.434 34.439 34.440 34.440	27.327 27.332 27.338 27.344 27.351 27.354 27.358 27.365 27.369 27.375	31.474 31.525 31.578 31.631 31.684 31.732 31.783 31.836 31.887 31.939	27.320 27.325 27.331 27.338 27.344 27.347 27.351 27.357 27.362 27.368	82.4 82.0 81.4 80.8 80.3 80.7 79.7 79.1 78.7	14.802 14.884 14.965 15.047 15.127 15.207 15.287 15.367 15.445 15.524	90.8 90.8 90.7 90.8 90.7 90.7 90.8 90.8 90.8	1480.9 1481.0 1481.1 1481.0 1481.1 1481.2 1481.2 1481.3 1481.3	8456.7 8603.6 8751.3 8899.7 9049.0 9199.0 9349.9 9501.5 9653.8 9807.0	1.9 11.9 9.3 7.2 7.8 2.5 3.7 7.8 2.5 8.7

Station	25	Latitude	33' 19.	17'N	Longitu	nde 127°	52.71'W	24	Aug 1989	GMT 1	4:48	Bottom	
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /ko	Dyn.Ht	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0 1120.0 1140.0 1160.0	992.1 1011.9 1031.7 1051.5 1071.2 1091.0 1110.8 1130.5 1150.3 1170.1	3.747 3.697 3.650 3.614 3.5569 3.527 3.477 3.427 3.377	3.673 3.622 3.574 3.536 3.490 3.447 3.396 3.345 3.293 3.244	34.450 34.458 34.466 34.472 34.478 34.485 34.497 34.503 34.507	27.382 27.393 27.404 27.413 27.422 27.432 27.440 27.451 27.461 27.469	31.992 32.096 32.199 32.300 32.401 32.503 32.604 32.708 32.810 32.911	27.375 27.386 27.397 27.405 27.415 27.424 27.433 27.444 27.453 27.461	77.5 76.5 75.5 74.8 74.0 73.2 72.4 71.4 70.5 69.7	15.602 15.756 15.908 16.058 16.207 16.354 16.500 16.644 16.785 16.926	90.8 90.8 90.8 90.8 90.7 90.7 90.7	1481.4 1481.6 1481.7 1481.9 1482.0 1482.2 1482.3 1482.5 1482.5 1482.7	9960.9 10271.0 10584.1 10900.2 11219.1 11541.0 11865.8 12193.3 12523.7 12856.8	5.204.6358 462.358235552.3
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0 1380.0	1189.8 1209.6 1229.3 1249.1 1268.8 1288.6 1308.3 1328.1 1347.8 1367.6	3.294 3.245 3.205 3.164 3.128 3.100 3.057 3.020 2.990 2.946	3.207 3.157 3.116 3.074 3.007 2.964 2.925 2.894 2.849	34.511 34.518 34.521 34.525 34.527 34.532 34.536 34.536 34.541 34.545	27.476 27.483 27.490 27.496 27.503 27.507 27.515 27.522 27.529 27.535	33.009 33.109 33.208 33.307 33.405 33.502 33.602 33.701 33.800 33.899	27.467 27.475 27.481 27.488 27.494 27.506 27.513 27.520 27.527	69.2 68.5 67.9 67.3 66.8 66.4 65.1 64.5 63.9	17.065 17.202 17.339 17.474 17.608 17.742 17.874 18.004 18.134 18.262	90.7 90.7 90.7 90.8 90.7 90.7 90.7 90.7 90.7	1482.9 1483.0 1483.2 1483.4 1483.5 1483.7 1483.9 1484.1 1484.3 1484.4	13192.6 13531.1 13872.3 14216.2 14562.7 14911.7 15263.4 15617.6 15974.4 16333.7	2.9 4.1 3.8 5.6 2.1 5.6 2.7 3.0 10.0
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.3 1407.1 1426.8 1446.5 1466.3 1486.0 1505.7 1525.4 1545.2 1564.9	2.909 2.868 2.834 2.790 2.741 2.706 2.6634 2.598 2.559	2.810 2.768 2.733 2.688 2.637 2.602 2.559 2.527 2.490 2.449	34.550 34.553 34.555 34.562 34.563 34.568 34.570 34.573 34.577	27.543 27.554 27.554 27.561 27.568 27.572 27.580 27.584 27.590 27.596	33.999 34.097 34.194 34.294 34.393 34.489 34.590 34.686 34.783 34.882	27.534 27.540 27.545 27.552 27.559 27.563 27.575 27.575 27.580 27.587	63.2 62.1 61.4 60.8 60.4 59.6 59.2 58.7	18.390 18.515 18.640 18.764 18.886 19.007 19.127 19.246 19.364 19.481	90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7	1484.6 1484.8 1485.0 1485.1 1485.2 1485.6 1485.8 1486.0 1486.1	16695.4 17059.7 17426.3 17795.4 18166.8 18540.7 18916.8 19295.3 19676.1 20059.2	4.8 1.6 5.7 4.8 1.0 5.1 5.1
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.6 1604.3 1624.0 1643.8 1663.5 1683.2 1702.9 1722.6 1742.3 1762.0	2.537 2.506 2.475 2.448 2.428 2.409 2.376 2.338 2.317 2.285	2.426 2.394 2.362 2.334 2.312 2.292 2.257 2.218 2.195 2.163	34.578 34.580 34.583 34.586 34.588 34.591 34.593 34.594 34.598 34.599	27.599 27.603 27.608 27.613 27.616 27.620 27.625 27.629 27.634 27.638	34.976 35.073 35.170 35.266 35.361 35.456 35.553 35.649 35.746 35.841	27.589 27.594 27.599 27.603 27.607 27.611 27.615 27.619 27.624 27.628	57.9 57.4 57.0 56.2 55.9 55.5 55.6 54.2	19.597 19.712 19.826 19.940 20.053 20.165 20.276 20.387 20.496 20.605	90.8 90.7 90.7 90.6 90.7 90.6 90.7 90.7	1486.4 1486.6 1486.8 1487.0 1487.3 1487.7 1487.7 1488.1 1488.3	20444.5 20832.1 21221.8 21613.8 22008.0 22404.4 22802.9 23203.6 23606.4 24011.3	2.8 3.7 5.6 2.3 3.2 1.7 1.2 2.1
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.7 1801.4 1821.1 1840.8 1860.5 1880.2 1899.9 1919.6 1939.3 1958.9	2.259 2.236 2.217 2.199 2.161 2.148 2.120 2.091 2.089 2.053	2.135 2.110 2.091 2.071 2.032 2.018 1.988 1.958 1.954 1.917	34.602 34.605 34.608 34.611 34.615 34.616 34.616 34.616 34.621 34.619	27.642 27.646 27.651 27.654 27.662 27.665 27.665 27.667 27.672	35.938 36.033 36.128 36.223 36.319 36.414 36.509 36.603 36.698 36.791	27.632 27.636 27.640 27.644 27.651 27.655 27.657 27.662 27.662	53.7 53.4 53.0 52.7 52.3 52.0 51.6 51.6 51.0	20.713 20.820 20.926 21.032 21.137 21.241 21.345 21.448 21.550 21.652	90.7 90.7 90.7 90.6 90.6 90.7 90.7 90.7	1488.5 1488.8 1489.0 1489.3 1489.5 1489.6 1490.0 1490.2 1490.5 1490.7	24418.3 24827.4 25238.6 25651.8 26067.0 26484.3 26903.6 27324.8 2748.0 28173.3	3.6 2.1 5.4 1.3 3.6 2.8 1.9
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2300.0 2350.0 2400.0 2450.0	1978.6 2027.8 2077.0 2126.2 2175.3 2224.5 2273.6 2322.8 2371.9 2421.0	2.040 2.001 1.952 1.923 1.896 1.865 1.844 1.822 1.794	1.902 1.860 1.808 1.775 1.744 1.709 1.684 1.658 1.626	34.621 34.627 34.630 34.634 34.637 34.640 34.646 34.648 34.650 34.650	27.676 27.684 27.691 27.696 27.701 27.706 27.712 27.717 27.720 27.723	36.884 37.119 37.354 37.586 37.817 38.048 38.280 38.509 38.739 38.966	27.665 27.673 27.679 27.685 27.689 27.694 27.700 27.704 27.708 27.710	50.6 49.3 48.8 48.5 48.1 47.2 46.9	21.754 22.005 22.253 22.498 22.742 22.983 23.222 23.459 23.694 23.929	90.6 90.7 90.6 90.6 90.7 90.6 90.6 90.6 90.5	1491.0 1491.6 1492.3 1493.0 1493.7 1494.4 1495.2 1495.9 1496.7 1497.4	28600.4 29676.9 30765.3 31865.7 32977.8 34101.5 35236.8 36383.5 37541.6 38710.9	3.4 3.7 4.1 2.6 1.5 1.0 1.9
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2900.0	2470.1 2519.2 2568.2 2617.3 2666.4 2715.4 2764.4 2813.4 2862.4 2911.4	1.748 1.725 1.705 1.687 1.670 1.656 1.646 1.633 1.619	1.572 1.545 1.521 1.499 1.477 1.459 1.445 1.427 1.409	34.655 34.657 34.659 34.662 34.666 34.666 34.667 34.668 34.670	27.728 27.732 27.735 27.739 27.742 27.745 27.747 27.749 27.752 27.755	39.196 39.425 39.652 39.880 40.106 40.332 40.557 40.782 41.008 41.233	27.715 27.719 27.722 27.725 27.728 27.730 27.732 27.734 27.737 27.739	46.4 46.1 45.8 45.6 45.4 45.2 45.1 45.0 44.8 44.7	24.161 24.393 24.622 24.851 25.078 25.305 25.531 25.756 25.981 26.205	90.6 90.7 90.6 90.6 90.6 90.6 90.6 90.6	1498.1 1498.9 1499.7 1500.4 1501.2 1502.0 1502.8 1503.6 1504.4 1505.1	39891.4 41083.0 42285.6 43499.2 44723.7 45959.1 47205.3 48462.2 49729.9 51008.3	2.1 .6 1.6 .7 -1.9 1.7 3 1.5 1.2
3000.0 3050.0 3100.0 3104.0	2960.4 3009.4 3058.4 3062.3	1.591 1.579 1.566 1.567	1.372 1.355 1.338 1.338	34.674 34.675 34.676 34.675	27.757 27.760 27.762 27.761	41.458 41.681 41.905 41.922	27.742 27.743 27.745 27.744	44.5 44.4 44.3 44.4	26.427 26.650 26.872 26.890	90.6 90.6 90.6 90.6	1505.9 1506.7 1507.5 1507.6	52297.4 53597.0 54907.3 55012.5	.2 .5 2.0 .0

Station		Latitude				ude 127°		24	1 Aug 198	9 GMT 1	8:17		
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-6 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht g J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 70.0 80.0	.0 10.0 19.9 29.9 39.9 49.8 59.8 69.8 79.7	19.311 19.301 19.303 19.356 19.361 19.297 18.710 16.250 15.598 15.222	19.311 19.299 19.300 19.351 19.353 19.288 18.700 16.239 15.586 15.208	33.550 33.551 33.570 33.685 33.722 33.749 33.572 33.567 33.590	23.836 23.839 23.854 23.910 23.972 24.142 24.596 24.739 24.840	23.836 23.882 23.940 24.040 24.101 24.189 24.403 24.903 25.091 25.237	23.836 23.839 23.853 23.909 23.926 23.970 24.140 24.593 24.736 24.837	405.7 405.8 404.8 399.7 398.4 394.5 378.6 335.5 322.1 312.7	.000 .406 .811 1.214 1.613 2.009 2.399 2.753 3.081 3.398	90.3 90.3 90.3 90.3 90.2 90.1 90.2 90.3 90.6	1518.5 1518.7 1518.8 1519.3 1519.5 1519.5 1518.0 1510.7 1508.8 1507.8	2.0 8.1 18.2 32.3 50.3 72.3 98.0 127.1 159.3	3.6 23.7 67.1 28.1 29.9 416.1 269.0 106.3 70.5
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	14.927 14.188 13.807 13.157 12.666 12.190 11.345 10.850 10.387 9.986	14.912 14.173 13.790 13.139 12.647 12.170 11.325 10.829 10.366 9.964	33.604 33.565 33.579 33.543 33.593 33.496 33.550 33.593 33.650	24.915 25.043 25.133 25.237 25.304 25.546 25.677 25.791 25.904	25.356 25.529 25.665 25.815 25.928 26.057 26.264 26.440 26.4601 26.760	24.912 25.039 25.129 25.234 25.301 25.384 25.543 25.674 25.788 25.901	305.8 293.9 285.5 275.7 269.5 261.7 246.6 234.3 223.5 212.9	3.709 4.010 4.299 4.580 4.853 5.119 5.374 5.615 5.842 6.060	90.5 90.6 90.5 90.7 90.7 90.8 91.0 91.1 91.1	1507.1 1504.8 1503.7 1501.7 1500.1 1498.7 1495.9 1494.4 1492.9 1491.7	194.7 233.2 274.5 318.7 365.6 415.3 467.5 522.1 579.1 638.3	90.7 114.9 111.9 72.5 136.9 119.5 132.2 184.0 106.9 129.7
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 228.9 238.8 258.8 268.7 278.6 288.5	9.581 9.281 9.040 8.836 8.628 8.408 8.293 8.295 8.092 7.866	9.559 9.258 9.016 8.811 8.603 8.382 8.266 8.268 8.064 7.837	33.710 33.765 33.815 33.862 33.906 33.934 33.952 33.971 33.981 33.987	26.019 26.110 26.188 26.257 26.324 26.380 26.412 26.426 26.465 26.503	26.922 27.060 27.183 27.299 27.412 27.514 27.592 27.651 27.736 27.822	26.015 26.107 26.184 26.253 26.320 26.376 26.408 26.408 26.460 26.499	202.0 193.4 186.2 179.7 173.5 168.3 165.4 164.3 160.7	6.266 6.464 6.655 6.838 7.014 7.185 7.352 7.517 7.679 7.838	91.1 91.1 91.1 91.0 91.0 91.0 91.0 91.0	1490.4 1488.9 1488.9 1488.4 1487.8 1487.2 1486.9 1487.1 1486.5 1485.8	699.5 762.8 828.0 895.1 963.9 1034.4 1106.6 1180.5 1256.0 1333.0	61.6 104.6 92.0 93.7 65.6 45.6 11.1 14.3 36.8 33.0
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.3 328.3 338.2 348.1 358.0 368.0 377.9 387.8	7.732 7.658 7.517 7.368 7.219 7.068 6.835 6.680 6.555 6.464	7.702 7.628 7.486 7.336 7.187 7.035 6.802 6.647 6.521 6.429	33.987 33.992 33.996 34.004 34.000 33.993 33.995 33.998 33.996	26.522 26.537 26.560 26.587 26.607 26.627 26.652 26.675 26.694 26.705	27.887 27.947 28.017 28.091 28.157 28.223 28.296 28.367 28.432 28.489	26.518 26.532 26.556 26.583 26.603 26.603 26.648 26.671 26.690 26.700	155.3 154.1 151.9 149.4 147.6 143.3 141.2 139.5	7.994 8.149 8.302 8.453 8.601 8.748 8.892 9.035 9.175 9.314	91.0 90.9 90.9 90.9 90.8 90.8 90.8	1485.5 1485.3 1485.0 1484.6 1484.1 1483.7 1482.9 1482.5 1482.2 1482.0	1411.6 1491.8 1573.5 1656.7 1741.3 1827.4 1915.0 2004.0 2004.3 2186.1	16.8 13.6 35.8 12.7 40.2 22.0 12.0 39.8 19.0 15.5
400.0 410.0 420.0 430.0 440.0 450.0 470.0 480.0 490.0	397.8 407.7 417.6 427.5 437.5 447.4 457.3 467.2 477.1 487.0	6.338 6.204 6.069 6.067 5.920 5.884 5.793 5.740 5.577	6.303 6.168 6.032 6.029 5.882 5.754 5.700 5.612 5.536	33.997 34.002 34.007 34.026 34.022 34.034 34.051 34.061 34.071 34.076	26.721 26.743 26.764 26.779 26.795 26.809 26.834 26.848 26.867 26.880	28.552 28.689 28.750 28.750 28.812 28.874 29.004 29.070 29.130	26.717 26.739 26.760 26.774 26.790 26.804 26.829 26.843 26.862 26.875	137.0 134.9 132.9 131.7 130.2 129.0 126.6 125.4 123.6 122.4	9.451 9.587 9.722 9.854 9.985 10.114 10.242 10.368 10.493 10.616	90.8 90.8 90.7 90.7 90.6 90.6 90.6	1481.6 1481.3 1480.9 1481.1 1480.6 1480.7 1480.5 1480.3 1480.1	2279.2 2373.7 2469.5 25665.0 2764.7 2865.7 2967.9 3071.4 3176.1	14.0 24.5 24.2 14.2 17.1 12.5 15.4 12.7 15.4 24.4
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.8 526.7 536.6 546.5 556.4 576.3 586.2	5.543 5.502 5.384 5.365 5.278 5.163 5.084 5.018 5.004 4.937	5.501 5.460 5.341 5.322 5.234 5.119 5.039 4.973 4.957 4.890	34.094 34.116 34.133 34.137 34.144 34.146 34.153 34.164 34.174	26.898 26.920 26.934 26.951 26.964 26.993 27.007 27.017 27.033	29.194 29.263 29.323 29.386 29.446 29.512 29.570 29.630 29.685 29.748	26.893 26.916 26.929 26.945 26.958 26.978 26.989 27.002 27.012 27.027	120.8 118.7 117.4 116.0 114.8 112.9 111.9 110.7 109.9 108.4	10.737 10.857 10.975 11.092 11.207 11.321 11.433 11.544 11.655 11.764	90.6 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7	1480.2 1480.2 1479.9 1480.0 1480.0 1479.8 1479.5 1479.4 1479.3 1479.3	3282.0 3389.0 3497.3 3606.7 3717.3 3828.9 3941.7 4055.6 4170.6 4286.7	13.3 22.4 14.8 11.8 21.2 13.0 3.0 8.0 17.1
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.1 606.0 615.9 625.8 635.8 645.6 665.5 675.4 685.3	4.864 4.801 4.751 4.689 4.646 4.601 4.562 4.536 4.500 4.490	4.816 4.754 4.702 4.640 4.5596 4.5511 4.485 4.448 4.437	34.179 34.188 34.202 34.208 34.217 34.227 34.227 34.245 34.245 34.252 34.261	27.045 27.060 27.076 27.088 27.101 27.113 27.126 27.134 27.144 27.152	29.807 29.868 29.931 29.990 30.048 30.107 30.167 30.221 30.278 30.331	27.040 27.054 27.071 27.083 27.095 27.107 27.121 27.128 27.138 27.146	107.2 105.9 104.4 103.3 102.2 101.0 99.9 99.2 98.3 97.6	11.872 11.978 12.083 12.187 12.290 12.391 12.492 12.591 12.690 12.788	90.8 90.7 90.7 90.8 90.7 90.8 90.8 90.8	1479.2 1479.1 1479.0 1479.0 1479.0 1479.0 1479.0 1479.1 1479.2	4403.8 4522.0 4641.2 4761.5 4882.8 5005.1 5128.3 5252.6 5377.8 5504.0	13.5 9.7 10.0 12.7 17.6 13.2 6.5 14.1 8.0 3.0
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.2 705.1 715.0 724.9 734.8 754.6 764.5 774.4 784.3	4.467 4.439 4.412 4.382 4.360 4.328 4.281 4.223 4.223	4.414 4.385 4.357 4.326 4.303 4.271 4.224 4.181 4.164 4.186	34.270 34.277 34.286 34.295 34.302 34.312 34.316 34.323 34.328 34.342	27.162 27.170 27.181 27.191 27.199 27.211 27.219 27.229 27.235 27.243	30.387 30.442 30.498 30.555 30.609 30.667 30.722 30.778 30.830 30.884	27.156 27.164 27.175 27.185 27.193 27.205 27.213 27.222 27.229 27.237	96.7 96.0 95.1 94.2 93.5 92.7 90.8 90.3 89.6	12.885 12.981 13.077 13.172 13.265 13.358 13.451 13.542 13.632 13.722	90.7 90.8 90.7 90.8 90.7 90.8 90.7 90.8 90.8	1479.3 1479.3 1479.4 1479.4 1479.5 1479.5 1479.5 1479.5 1479.6 1479.9	5631.2 5759.3 5888.4 6018.3 6149.3 6281.1 6413.8 6547.5 6682.0 6817.4	11.5 12.4 5.1 14.4 9.5 13.6 10.9 3.9 10.6 10.4
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.2 804.1 814.0 823.9 833.8 843.7 853.6 863.5 873.4 883.3	4.221 4.206 4.200 4.166 4.141 4.104 4.067 4.047 4.041 3.999	4.161 4.145 4.138 4.103 4.077 4.040 4.003 3.982 3.974 3.932	34.349 34.355 34.362 34.372 34.379 34.386 34.386 34.390 34.400 34.402	27.251 27.258 27.264 27.276 27.284 27.290 27.297 27.303 27.311 27.317	30.938 30.991 31.043 31.101 31.155 31.208 31.261 31.313 31.367 31.419	27.245 27.252 27.258 27.269 27.278 27.284 27.291 27.296 27.304 27.310	88.9 88.3 87.9 86.8 86.1 85.5 84.4 83.7 83.2	13.812 13.900 13.988 14.076 14.162 14.248 14.333 14.418 14.502 14.585	90.7 90.7 90.7 90.7 90.7 90.8 90.7 90.7 90.7	1480.0 1480.1 1480.3 1480.3 1480.4 1480.4 1480.5 1480.6	6953.7 7090.9 7228.9 7367.9 7507.6 7648.2 7789.6 7931.9 8075.0 8218.9	6.9 7.4 10.4 8.9 8.3 2.5 6.3 8.6 12.8
900.0 910.0 920.0 930.0 930.0 950.0 960.0 970.0 980.0 990.0	893.2 903.1 913.0 922.9 932.8 942.7 952.6 962.5 972.3 982.2	3.976 3.920 3.895 3.871 3.818 3.788 3.765 3.731 3.717	3.909 3.852 3.827 3.802 3.748 3.718 3.694 3.665 3.616	34.409 34.413 34.419 34.423 34.426 34.431 34.436 34.441 34.445 34.445	27.325 27.334 27.342 27.347 27.355 27.362 27.369 27.376 27.381 27.387	31.473 31.529 31.583 31.635 31.690 31.743 31.796 31.850 31.950	27.318 27.327 27.334 27.340 27.348 27.355 27.362 27.369 27.373 27.380	82.5 81.6 80.9 80.4 79.7 79.0 78.4 77.8 77.4 76.8	14.668 14.750 14.831 14.912 14.992 15.072 15.150 15.228 15.306 15.383	90.8 90.7 90.7 90.7 90.7 90.8 90.7 90.8	1480.7 1480.6 1480.7 1480.8 1480.8 1480.8 1480.9 1481.0	8363.7 8509.2 8655.6 8802.7 8950.6 9099.3 9248.8 9399.0 9550.0 9701.8	7.5 8.9 2.8 6.0 7.2 6.9 9.3 9.0

Station	26	Latitude	33° 12.0	06'N	Longitu	ide 127°	36.60'W	24	Aug 1989	GMT 18	3:17	Bottom	4500 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0 1120.0 1140.0 1160.0	992.1 1011.9 1031.7 1051.5 1071.2 1091.0 1110.8 1130.5 1150.3 1170.1	3.671 3.645 3.585 3.549 3.464 3.435 3.407 3.363 3.329	3.597 3.570 3.509 3.472 3.425 3.384 3.354 3.325 3.280 3.244	34.452 34.468 34.477 34.484 34.489 34.498 34.503 34.506	27.391 27.400 27.412 27.423 27.423 27.443 27.447 27.447 27.454 27.468	32.003 32.104 32.209 32.312 32.414 32.514 32.612 32.711 32.812 32.910	27.384 27.393 27.405 27.416 27.425 27.433 27.439 27.446 27.445 27.460	76.5 75.7 74.6 73.7 72.8 72.1 71.7 71.1 70.3 69.8	15.460 15.612 15.762 15.7910 16.057 16.202 16.346 16.489 16.489	90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7	1481.1 1481.3 1481.4 1481.6 1481.8 1481.9 1482.2 1482.2 1482.7	9854.3 10161.6 10471.8 10785.0 11101.0 11419.9 11741.6 12066.1 12393.4 12723.4	4.9 8.1 6.4 2.9 4.6 4.1 3.5 2.3
1200.0 1220.0 1240.0 1260.0 1380.0 1300.0 1320.0 1340.0 1360.0 1380.0	1189.8 1209.6 1229.3 1249.1 1268.8 1288.6 1308.3 1328.1 1347.8 1367.6	3.305 3.256 3.229 3.192 3.147 3.118 3.083 3.046 3.013 2.970	3.218 3.168 3.140 3.101 3.055 3.025 2.989 2.950 2.917 2.872	34.510 34.519 34.527 34.527 34.533 34.533 34.533 34.537 34.540	27.474 27.483 27.488 27.495 27.502 27.508 27.513 27.520 27.525 27.533	33.007 33.109 33.206 33.304 33.405 33.502 33.599 33.699 33.796 33.896	27.466 27.475 27.480 27.486 27.494 27.504 27.511 27.517 27.524	69.4 68.6 68.2 67.6 66.8 66.4 66.3 64.9	16.909 17.047 17.184 17.320 17.454 17.587 17.720 17.851 17.981 18.110	90.7 90.7 90.7 90.7 90.7 90.6 90.6 90.6	1482.9 1483.1 1483.3 1483.5 1483.6 1484.0 1484.2 1484.4 1484.5	13056.2 13391.7 13729.8 14070.6 14414.1 14760.1 15108.7 15459.9 15813.7 16170.0	3.8 3.5 3.2 5.0 3.3 7.4 4.5 7.4
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.3 1407.1 1426.8 1446.5 1466.3 1486.0 1505.7 1525.4 1545.2 1564.9	2.920 2.882 2.843 2.807 2.759 2.723 2.6652 2.623 2.589	2.821 2.782 2.741 2.705 2.655 2.618 2.579 2.545 2.514 2.479	34.549 34.553 34.556 34.563 34.563 34.567 34.571 34.572 34.575	27.542 27.554 27.554 27.560 27.568 27.580 27.584 27.589 27.594	33.997 34.095 34.194 34.292 34.392 34.490 34.589 34.685 34.782 34.879	27.533 27.539 27.545 27.551 27.559 27.564 27.571 27.575 27.580 27.585	63.3 62.8 62.1 61.6 60.9 60.3 59.3 58.9 58.3	18.238 18.364 18.489 18.613 18.735 18.857 18.976 19.095 19.213 19.331	90.7 90.6 90.7 90.6 90.7 90.6 90.6 90.7	1484.7 1484.8 1485.0 1485.2 1485.3 1485.5 1485.7 1485.9 1486.1 1486.3	16528.7 16889.9 17253.6 17619.7 17988.2 18359.1 18732.3 19107.8 19485.6 19865.7	3.0 3.6 3.9 3.6 4.8 1.0 1.3
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.6 1604.3 1624.0 1643.8 1663.5 1683.2 1702.9 1722.6 1742.3 1762.0	2.552 2.530 2.494 2.460 2.441 2.389 2.357 2.331 2.313	2.441 2.418 2.380 2.345 2.325 2.300 2.270 2.237 2.210 2.190	34.581 34.583 34.586 34.589 34.591 34.593 34.598 34.600 34.602	27.600 27.604 27.615 27.615 27.617 27.621 27.626 27.630 27.635 27.638	34.977 35.072 35.170 35.267 35.362 35.457 35.553 35.650 35.745 35.840	27.591 27.594 27.600 27.605 27.608 27.611 27.616 27.621 27.624 27.628	57.8 57.5 56.9 56.4 55.9 55.0 55.6 54.3	19.447 19.562 19.676 19.790 19.902 20.014 20.126 20.236 20.345 20.454	90.7 90.6 90.6 90.7 90.6 90.6 90.6 90.6	1486.5 1486.7 1486.9 1487.1 1487.3 1487.6 1487.8 1488.0 1488.2 1488.4	20248.1 20632.7 21019.5 21408.5 21799.8 22193.2 22588.7 22986.4 23386.3 23788.2	2.8 1.4 4.6 2.6 3.5 1.6 2.1
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.7 1801.4 1821.1 1840.8 1860.5 1880.2 1899.9 1919.6 1939.3 1958.9	2.287 2.264 2.240 2.219 2.200 2.182 2.163 2.140 2.121 2.101	2.163 2.138 2.113 2.091 2.070 2.051 2.030 2.006 1.986 1.965	34.604 34.606 34.608 34.610 34.612 34.613 34.615 34.618 34.620 34.620	27.642 27.645 27.648 27.652 27.655 27.658 27.661 27.665 27.668 27.672	35.936 36.030 36.125 36.220 36.315 36.408 36.503 36.598 36.693 36.787	27.632 27.635 27.638 27.642 27.645 27.645 27.650 27.654 27.658 27.661	53.9 53.6 53.3 53.0 52.7 52.5 52.5 51.8 51.5 51.2	20.563 20.670 20.777 20.883 20.989 21.094 21.199 21.302 21.406 21.508	90.6 90.7 90.6 90.6 90.6 90.7 90.7	1488.7 1488.9 1489.1 1489.4 1489.6 1489.9 1490.2 1490.4 1490.6 1490.9	24192.3 24598.4 25006.6 25416.9 25829.2 26243.6 26660.0 27078.3 27498.7 27921.1	1.8 3.6 2.7 1.5 1.6 -1.4 3.9 3.1
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2300.0 2350.0 2400.0 2450.0	1978.6 2027.8 2077.0 2126.2 2175.4 2224.5 2273.6 2322.8 2371.9 2421.0	2.088 2.050 2.006 1.981 1.949 1.920 1.891 1.866 1.837 1.813	1.950 1.908 1.861 1.832 1.796 1.763 1.731 1.701 1.669 1.640	34.624 34.628 34.632 34.634 34.640 34.644 34.646 34.649 34.652	27.674 27.681 27.687 27.692 27.698 27.702 27.707 27.711 27.716 27.720	36.880 37.114 37.348 37.578 37.810 38.041 38.272 38.501 38.732 38.961	27.663 27.670 27.676 27.680 27.685 27.695 27.695 27.699 27.704 27.707	51.0 50.5 49.8 49.6 49.1 48.7 48.3 48.0 47.6 47.2	21.611 21.865 22.116 22.364 22.610 22.855 23.097 23.338 23.577 23.814	90.7 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1491.2 1491.9 1492.5 1493.2 1493.9 1494.7 1495.4 1496.1 1496.8 1497.6	28345.5 29415.0 30496.6 31590.3 33595.8 33813.2 34942.3 36083.0 37235.2 38398.8	1 .5 1.4 3.2 .6 2 .1 1.4 1.7
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2900.0	2470.1 2519.2 2568.3 2617.3 2666.4 27164.4 2813.4 2862.5 2911.5	1.789 1.769 1.745 1.723 1.700 1.683 1.664 1.652 1.641	1.612 1.588 1.560 1.534 1.507 1.485 1.463 1.446 1.431	34.654 34.655 34.659 34.660 34.664 34.666 34.667 34.668 34.670	27.724 27.727 27.732 27.735 27.738 27.742 27.744 27.747 27.749 27.752	39.189 39.417 39.646 39.873 40.100 40.327 40.553 40.778 41.003 41.228	27.711 27.713 27.718 27.721 27.724 27.727 27.730 27.732 27.734 27.736	47.0 46.4 46.1 45.9 45.7 45.3 45.3	24.049 24.284 24.517 24.748 24.978 25.207 25.435 25.662 25.889 26.115	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1498.3 1499.1 1499.8 1500.6 1501.3 1502.1 1502.9 1503.7 1504.5 1505.2	39573.8 40760.0 41957.4 43165.9 44385.5 45616.0 46857.4 48109.7 49372.9 50646.8	2.1 .9 1.6 .7 1.4 .5 1.1 1.2 .7
3000.0 3050.0 3100.0 3106.0	2960.4 3009.4 3058.4 3064.3	1.612 1.604 1.589 1.587	1.393 1.380 1.360 1.358	34.671 34.672 34.673 34.674	27.754 27.756 27.758 27.759	41.452 41.676 41.900 41.927	27.738 27.739 27.741 27.742	45.0 44.9 44.8 44.7	26.340 26.565 26.789 26.816	90.6 90.6 90.5 90.6	1506.0 1506.9 1507.6 1507.7	51931.5 53226.9 54533.1 54690.5	.2 3 .0

Station		Latitude			Longit			2	4 Aug 198	9 GMT 2	21:38	Bottom	
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	kg/m ³	Sigma-2 kg/m ³	sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	-	0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
20.0 20.0 30.0 40.0 50.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.8 59.8 69.8 79.7	19.614 19.603 19.561 19.523 19.523 19.508 19.241 16.362 16.054 15.028	19.614 19.601 19.557 19.535 19.516 19.499 19.230 16.351 16.042 15.014	33.694 33.696 33.705 33.779 33.800 33.769 33.466 33.576 33.505	23.868 23.872 23.891 23.952 23.978 24.023 24.489 24.644 24.817	23.868 23.915 23.978 24.082 24.145 24.283 24.796 24.996 25.214	23.868 23.872 23.890 23.951 23.970 23.976 24.020 24.486 24.641 24.814	402.7 402.6 401.2 395.7 394.2 390.1 345.7 331.2 314.9	.000 .403 .805 1.204 1.599 1.993 2.385 2.753 3.091 3.414	90.1 90.0 90.0 90.1 90.1 90.1 89.8 90.0 90.3	1519.5 1519.7 1519.7 1519.9 1520.1 1520.2 1519.6 1510.9 1510.3 1507.1	.0 2.0 8.0 18.0 32.0 49.9 71.7 97.4 126.5 158.9	.0 17.7 16.7 86.7 4.4 14.7 118.0 273.1 253.7 103.3
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	14.586 14.028 13.454 12.913 12.435 11.934 11.302 10.663 10.289	14.571 14.012 13.437 12.895 12.417 11.915 11.283 11.061 10.642 10.267	33.502 33.508 33.518 33.505 33.495 33.483 33.484 33.586 33.625	24.910 25.033 25.158 25.257 25.342 25.544 25.585 25.739 25.834	25.352 25.520 25.691 25.835 25.966 26.261 26.347 26.547 26.689	24.907 25.029 25.155 25.253 25.338 25.430 25.540 25.581 25.735 25.830	306.2 294.8 283.0 273.8 265.9 2546.9 2443.1 228.6 219.6	3.725 4.025 4.314 4.592 4.861 5.123 5.376 5.620 5.856 6.080	90.3 90.2 90.4 90.6 90.7 90.9 90.9 91.0 91.0	1505.9 1504.2 1502.5 1500.8 1499.3 1497.8 1495.7 1495.7 1493.9 1492.8	194.4 233.0 274.5 318.8 365.9 415.5 467.8 522.5 579.5 638.9	136.0 140.6 156.9 116.1 75.9 96.3 170.9 116.1 134.5
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 228.9 238.8 258.8 268.7 278.6 288.6	9.663 9.332 9.006 8.801 8.690 8.519 8.386 8.223 8.082	9.640 9.309 8.982 8.777 8.664 8.493 8.359 8.195 8.054 7.874	33.677 33.749 33.812 33.890 33.922 33.947 33.960 33.970 33.977	25.979 26.090 26.191 26.269 26.302 26.353 26.393 26.428 26.457 26.489	26.882 27.039 27.187 27.310 27.389 27.487 27.573 27.654 27.729 27.808	25.976 26.086 26.187 26.265 26.298 26.349 26.489 26.424 26.453 26.485	205.8 195.4 185.9 178.6 175.7 170.9 167.2 164.0 161.4 158.4	6.293 6.492 6.683 6.865 7.042 7.215 7.384 7.549 7.712 7.872	91.0 91.0 91.0 91.0 90.9 90.9 90.8 90.8 90.7	1490.7 1489.7 1488.8 1488.2 1488.0 1487.6 1487.6 1486.8 1486.5 1485.9	700.4 764.0 829.5 896.8 965.9 1036.7 1109.2 1183.4 1259.2 1336.6	122.0 81.2 105.2 44.5 42.5 68.5 56.5 24.8 31.8 15.4
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.1 358.1 368.0 377.9 387.8	7.755 7.661 7.527 7.399 7.347 7.170 6.971 6.803 6.713 6.586	7.726 7.631 7.496 7.368 7.314 7.137 6.938 6.769 6.678 6.551	33.981 33.982 33.990 33.995 34.002 34.001 33.996 33.999 34.002	26.514 26.528 26.554 26.576 26.589 26.636 26.636 26.656 26.674 26.694	27.879 27.939 28.011 28.079 28.138 28.209 28.280 28.347 28.410 28.477	26.510 26.524 26.550 26.571 26.584 26.609 26.632 26.652 26.669 26.689	156.1 154.9 152.5 150.5 149.4 147.1 144.9 143.1 141.5 139.7	8.030 8.185 8.339 8.490 8.640 8.788 8.934 9.079 9.221 9.361	90.3 90.8 89.6 89.2 88.9 88.6 88.2 88.7	1485.5 1485.3 1485.0 1484.6 1484.6 1484.1 1483.5 1483.0 1482.8 1482.5	1415.5 1496.1 1578.1 1661.7 1746.7 1833.2 1921.2 2010.6 2101.4 2193.6	29.1 13.0 23.8 4.8 12.4 30.2 10.0 13.5 23.4 24.3
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.6 427.5 437.5 447.4 457.3 467.2 477.1	6.457 6.349 6.163 6.018 5.866 5.813 5.772 5.750 5.737	6.422 6.313 6.126 5.981 5.828 5.774 5.733 5.710 5.696 5.703	34.000 34.005 34.012 34.016 34.022 34.030 34.040 34.056 34.080	26.709 26.727 26.751 26.774 26.797 26.808 26.819 26.830 26.844 26.862	28.539 28.603 28.676 28.745 28.815 28.872 28.930 28.987 29.046 29.110	26.704 26.722 26.747 26.770 26.792 26.803 26.815 26.825 26.839 26.857	138.2 136.6 134.2 132.1 129.9 129.0 128.0 127.0 125.8 124.3	9.500 9.638 9.773 9.906 10.038 10.167 10.296 10.423 10.550 10.674	87.6 87.2 87.0 86.9 86.8 86.7 86.7 86.7 86.8	1482.1 1481.8 1481.3 1480.9 1480.4 1480.4 1480.5 1480.6 1480.8	2287.2 2382.2 2478.5 2576.1 2675.1 2775.3 2876.8 2979.6 3083.6 3188.9	10.2 28.6 17.5 28.6 12.7 16.8 13.0 24.2 26.2 8.4
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.8 526.7 536.7 546.6 556.5 566.4 576.3 586.2	5.656 5.604 5.567 5.339 5.358 5.262 5.157 5.124 5.100 5.018	5.614 5.561 5.523 5.296 5.314 5.218 5.112 5.078 5.053 4.971	34.087 34.111 34.098 34.116 34.120 34.121 34.135 34.151 34.158	26.879 26.893 26.909 26.926 26.938 26.965 26.981 26.996 27.011	29.174 29.233 29.296 29.362 29.419 29.540 29.540 29.602 29.663 29.725	26.874 26.888 26.904 26.921 26.933 26.947 26.960 26.975 26.991 27.005	122.7 121.5 120.1 118.3 117.3 115.9 114.7 113.3 112.0 110.6	10.798 10.920 11.041 11.160 11.278 11.394 11.510 11.623 11.736 11.847	86.9 87.2 88.6 89.4 89.7 90.0 90.2 90.3 90.5	1480.6 1480.6 1479.9 1480.1 1479.9 1479.6 1479.7 1479.8 1479.6	3295.4 3403.1 3512.0 3622.0 3733.3 3845.7 3959.2 4073.9 4189.7 4306.6	7.8 16.6 23.9 8.9 11.8 5.7 20.0 4.6 14.2
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.1 606.0 616.0 625.9 635.8 645.6 665.5 675.4 685.3	4.907 4.952 4.913 4.875 4.761 4.729 4.699 4.653 4.604 4.574	4.860 4.904 4.864 4.825 4.711 4.678 4.648 4.601 4.551 4.521	34.161 34.181 34.193 34.199 34.200 34.204 34.215 34.221 34.234 34.238	27.026 27.037 27.051 27.060 27.074 27.081 27.093 27.102 27.118 27.125	29.787 29.843 29.903 29.959 30.020 30.073 30.132 30.187 30.250 30.302	27.021 27.031 27.045 27.055 27.068 27.075 27.087 27.096 27.112 27.119	109.1 108.3 107.0 106.2 104.8 104.2 103.2 102.4 100.8 100.3	11.957 12.066 12.174 12.280 12.385 12.490 12.594 12.697 12.798 12.899	90.5 90.5 90.6 90.6 90.6 90.6 90.6	1479.3 1479.7 1479.7 1479.7 1479.4 1479.5 1479.5 1479.5 1479.5	4424.6 4543.6 4663.7 4784.9 4907.1 5030.4 5154.7 5280.0 5406.3 5533.5	7.1 12.1 11.8 8.0 9.7 9.8 11.5 12.4 12.4
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0	695.2 705.1 715.0 724.9 734.8 744.7 754.7 764.5 774.5 784.3	4.506 4.473 4.439 4.411 4.382 4.364 4.345 4.306 4.290 4.261	4.452 4.419 4.384 4.355 4.326 4.307 4.287 4.247 4.247 4.231 4.201	34.250 34.259 34.272 34.287 34.296 34.302 34.311 34.324 34.329 34.336	27.142 27.153 27.167 27.181 27.192 27.198 27.208 27.223 27.229 27.237	30.367 30.424 30.484 30.545 30.602 30.654 30.710 30.771 30.823 30.877	27.136 27.147 27.161 27.176 27.186 27.193 27.202 27.216 27.222 27.231	98.7 97.7 96.5 95.1 94.2 93.6 92.8 91.5 91.0	12.998 13.096 13.193 13.289 13.384 13.478 13.571 13.663 13.754 13.845	90.7 90.6 90.6 90.6 90.6 90.6 90.6	1479.4 1479.5 1479.5 1479.6 1479.6 1479.7 1479.8 1479.8 1479.9 1480.0	5661.8 5791.1 5921.3 6052.4 6184.5 6317.5 6451.5 6586.3 6722.0 6858.7	15.9 14.7 12.1 5.4 7.1 6.8 14.8 13.9 5.1 6.0
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.0 824.0 833.8 843.8 853.7 863.5 873.4 883.3	4.241 4.212 4.198 4.152 4.124 4.086 4.092 4.084 4.046 4.016	4.180 4.151 4.136 4.089 4.061 4.022 4.028 4.019 3.980 3.949	34.340 34.348 34.356 34.362 34.370 34.374 34.384 34.389 34.393	27.242 27.252 27.260 27.269 27.279 27.286 27.293 27.298 27.306 27.310	30.929 30.984 31.038 31.094 31.150 31.203 31.256 31.307 31.361 31.413	27.236 27.245 27.253 27.263 27.272 27.279 27.286 27.291 27.299 27.304	89.8 89.3 87.4 86.6 85.4 85.4 84.3 84.3	13.935 14.024 14.113 14.201 14.288 14.374 14.460 14.545 14.629 14.713	90.6 90.6 90.6 90.7 90.7 90.6 90.6	1480.1 1480.1 1480.2 1480.2 1480.3 1480.3 1480.5 1480.6 1480.6	6996.2 7134.6 7273.9 7414.0 7555.0 7696.9 7839.6 7983.1 8127.4 8272.6	10.4 12.4 6.0 19.2 8.6 4.2 8.1 10.4 8.4 6.6
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0 990.0	893.2 903.1 913.0 922.9 932.8 942.7 952.6 962.5 972.4 982.3	4.007 3.954 3.917 3.898 3.882 3.846 3.827 3.805 3.761	3.939 3.886 3.849 3.829 3.813 3.776 3.756 3.733 3.710 3.688	34.402 34.407 34.407 34.409 34.414 34.418 34.422 34.427 34.437	27.317 27.322 27.330 27.334 27.340 27.346 27.351 27.358 27.363 27.370	31.465 31.517 31.571 31.621 31.673 31.726 31.777 31.829 31.881 31.934	27.310 27.315 27.323 27.327 27.332 27.339 27.344 27.350 27.356 27.363	83.3 82.8 82.1 81.8 81.3 80.7 80.2 79.7 79.2 78.6	14.797 14.880 14.962 15.044 15.126 15.207 15.287 15.367 15.367 15.526	90.6 90.7 90.6 90.7 90.6 90.7 90.6 90.6 90.5	1480.8 1480.8 1480.9 1480.9 1481.0 1481.1 1481.2 1481.2	8418.6 8565.5 8713.1 8861.5 9010.8 9160.8 9311.7 9463.3 9615.7 9768.8	9.0 6.3 8.1 2.5 8.1 2.5 6.3 6.9 6.3

Station	27	Latitude	32. 59.2	2'N	Longitu	de 127°	44.74'W	24	Aug 1989	GMT 2	1:38	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m3/s2	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1120.0 1140.0 1160.0 1180.0	992.2 1011.9 1031.7 1051.5 1071.3 1091.0 1110.8 1130.6 1150.3 1170.1	3.739 3.696 3.650 3.5551 3.486 3.459 3.407 3.358 3.311	3.665 3.621 3.574 3.518 3.473 3.406 3.378 3.325 3.274 3.226	34.442 34.450 34.466 34.477 34.484 34.490 34.498 34.504 34.509	27.376 27.387 27.401 27.410 27.423 27.435 27.442 27.454 27.464 27.472	31.986 32.089 32.195 32.298 32.403 32.508 32.607 32.711 32.813 32.915	27.368 27.379 27.393 27.403 27.415 27.428 27.435 27.446 27.455 27.465	78.1 77.1 75.9 75.0 73.9 72.7 72.1 71.1 70.2 69.4	15.604 15.759 15.912 16.063 16.212 16.359 16.504 16.647 16.788 16.928	90.6 90.6 90.6 90.6 90.6 90.6 90.6	1481.4 1481.5 1481.7 1481.8 1482.0 1482.0 1482.3 1482.3 1482.4 1482.5 1482.6	9922.8 10233.0 10546.1 10862.3 11181.4 11503.4 11828.2 12155.8 12486.3 12819.4	7.8 13.4 4.0 4.0 6.7 5.8 5.8 3.5 9.4
1200.0 1220.0 1240.0 1260.0 1280.0 1300.0 1320.0 1340.0 1360.0	1189.9 1209.6 1229.4 1249.1 1268.9 1288.6 1308.4 1328.1 1347.9 1367.6	3.268 3.227 3.182 3.145 3.111 3.067 3.030 2.989 2.963 2.939	3.182 3.140 3.093 3.056 3.020 2.975 2.936 2.894 2.867 2.842	34.515 34.520 34.525 34.528 34.530 34.536 34.540 34.544 34.546 34.547	27.481 27.489 27.497 27.503 27.508 27.517 27.523 27.530 27.534 27.538	33.016 33.115 33.216 33.314 33.412 33.512 33.612 33.711 33.806 33.902	27.473 27.480 27.489 27.495 27.500 27.508 27.515 27.522 27.526 27.529	68.6 68.0 67.2 66.2 65.4 64.2 63.9 63.6	17.066 17.203 17.338 17.472 17.605 17.736 17.867 17.996 18.124 18.251	90.5 90.6 90.6 90.6 90.6 90.6 90.6	1482.8 1483.0 1483.1 1483.3 1483.5 1483.6 1483.8 1484.0 1484.2 1484.4	13155.3 13493.8 13835.0 14178.9 14525.3 14874.3 15225.8 15579.9 15936.5 16295.6	6.4 3.2 2.4 4.4 5.0 1.2 4.6 3.4 3.0
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0	1387.3 1407.1 1426.8 1446.6 1466.3 1486.0 1505.8 1525.5 1545.2 1564.9	2.902 2.870 2.836 2.802 2.769 2.734 2.702 2.672 2.641 2.615	2.803 2.770 2.735 2.700 2.665 2.629 2.595 2.565 2.532 2.505	34.551 34.555 34.558 34.561 34.568 34.570 34.573 34.576 34.578	27.545 27.550 27.556 27.562 27.567 27.573 27.578 27.588 27.588 27.592	34.001 34.098 34.196 34.294 34.391 34.489 34.586 34.683 34.780 34.876	27.536 27.541 27.547 27.553 27.558 27.564 27.569 27.579 27.579	63.0 62.5 62.0 61.4 60.9 69.9 59.5 59.5	18.378 18.503 18.627 18.751 18.873 18.994 19.115 19.234 19.353 19.470	90.5 90.6 90.6 90.5 90.5 90.6 90.6	1484.6 1484.8 1485.0 1485.2 1485.6 1485.8 1486.0 1486.2 1486.4	16657.1 17021.1 17387.5 17756.4 18127.6 18501.2 18877.1 19255.3 19635.9 20018.8	3.6 1.3 2.9 3.7 3.4 6.2 2.2
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.7 1604.4 1624.1 1643.8 1663.5 1683.2 1702.9 1722.7 1742.3 1762.1	2.592 2.555 2.522 2.496 2.467 2.436 2.396 2.379 2.355 2.339	2.480 2.442 2.408 2.381 2.351 2.318 2.277 2.258 2.234 2.216	34.580 34.582 34.584 34.586 34.589 34.592 34.595 34.597 34.597	27.596 27.601 27.605 27.609 27.614 27.619 27.625 27.628 27.631 27.633	34.971 35.068 35.165 35.261 35.357 35.454 35.552 35.646 35.740 35.834	27.586 27.591 27.596 27.600 27.604 27.609 27.615 27.618 27.621 27.623	58.4 57.9 57.4 57.1 56.6 55.1 55.3 55.1 54.8	19.587 19.704 19.819 19.934 20.047 20.160 20.272 20.382 20.493 20.603	90.5 90.6 90.5 90.5 90.6 90.5 90.5 90.5	1486.6 1486.8 1487.0 1487.2 1487.4 1487.6 1487.8 1488.1 1488.3 1488.6	20403.9 20791.3 21181.0 21572.8 21966.9 22363.2 22761.6 23162.2 23565.0 23969.9	4.9 2.0 4.9 2.6 2.3 2.0 1.7 .0 1.2 2.1
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.8 1801.5 1821.2 1840.8 1860.6 1880.2 1899.9 1919.6 1939.3 1959.0	2.315 2.288 2.256 2.234 2.217 2.192 2.181 2.156 2.138 2.119	2.191 2.162 2.129 2.105 2.087 2.061 2.048 2.022 2.003 1.983	34.602 34.604 34.607 34.609 34.612 34.613 34.617 34.618 34.620 34.620	27.638 27.641 27.646 27.650 27.654 27.657 27.661 27.664 27.667 27.670	35.930 36.025 36.123 36.217 36.312 36.407 36.501 36.596 36.690 36.784	27.627 27.631 27.636 27.639 27.643 27.647 27.650 27.653 27.656 27.659	54.5 54.1 53.6 53.2 52.9 52.6 52.3 52.7 51.7	20.712 20.821 20.928 21.035 21.141 21.247 21.352 21.456 21.559 21.663	90.6 90.5 90.5 90.5 90.6 90.6 90.6	1488.8 1489.0 1489.2 1489.4 1489.7 1489.9 1490.2 1490.5 1490.7 1491.0	24376.9 24786.0 25197.1 25610.4 26025.7 26443.1 26862.5 27283.9 27707.3 28132.8	3.9 2.4 1.8 1.8 3.0 2.5 3.1 1.3 1.0
2000.0 2050.0 2100.0 2150.0 2200.0 2350.0 2350.0 2400.0 2450.0	1978.7 2027.9 2077.1 2126.2 2175.4 2224.6 2273.7 2322.8 2371.9 2421.1	2.098 2.069 2.022 1.983 1.948 1.915 1.888 1.864 1.829 1.807	1.960 1.927 1.877 1.834 1.795 1.758 1.727 1.700 1.661 1.635	34.623 34.626 34.631 34.635 34.638 34.641 34.645 34.647 34.650 34.651	27.673 27.678 27.686 27.692 27.698 27.703 27.708 27.712 27.718 27.720	36.878 37.110 37.346 37.578 37.811 38.042 38.273 38.502 38.734 38.961	27.662 27.667 27.675 27.680 27.686 27.691 27.696 27.699 27.705 27.707	51.2 50.8 50.1 49.5 49.0 48.2 47.9 47.4	21.765 22.020 22.272 22.521 22.768 23.012 23.254 23.495 23.733 23.970	90.5 90.5 90.5 90.5 90.5 90.5 90.5	1491.2 1491.9 1492.6 1493.3 1493.9 1494.6 1495.4 1496.1 1496.8 1497.6	28560.2 29637.3 30726.7 31828.1 32941.4 34066.6 35203.4 36351.8 37511.7 38683.0	.8 2.6 2.9 1.5 6 8 1 2.6 1.1
2500.0 2550.0 2600.0 2700.0 2750.0 2850.0 2900.0 2950.0	2470.2 2519.2 2568.3 2617.4 2666.4 2715.5 2764.5 2813.5 2862.5 2911.5	1.785 1.762 1.746 1.723 1.707 1.686 1.668 1.648 1.635	1.608 1.582 1.561 1.534 1.513 1.489 1.466 1.442 1.425	34.655 34.657 34.658 34.660 34.661 34.663 34.665 34.668 34.669 34.670	27.725 27.729 27.731 27.735 27.737 27.741 27.744 27.748 27.750 27.752	39.191 39.419 39.646 39.873 40.099 40.326 40.553 40.779 41.004 41.229	27.712 27.715 27.718 27.721 27.723 27.726 27.729 27.733 27.734 27.736	46.9 46.4 46.1 46.0 45.5 45.3 45.2	24.205 24.439 24.672 24.903 25.133 25.363 25.591 25.819 26.045 26.270	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1498.3 1499.1 1499.8 1500.6 1501.4 1502.1 1502.9 1503.6 1504.4 1505.2	39865.7 41059.5 42264.6 43480.7 44707.9 45946.1 47195.2 48455.3 49726.1 51007.7	3 -1.1 2.7 1.6 7 .5 .6
3000.0 3050.0 3084.0	2960.5 3009.5 3042.8	1.605 1.595 1.589	1.386 1.371 1.362	34.671 34.673 34.673	27.755 27.757 27.758	41.454 41.678 41.829	27.739 27.741 27.742	44.9 44.8 44.7	26.495 26.719 26.871	90.6 90.4 90.5	1506.0 1506.8 1507.4	52300.0 53603.1 54495.2	.7 .5 .0

Station	28	Latitude	32. 45.	57'N	Longit	ude 127°	52.66'W	25	Aug 1989	GMT 0	1:09	Bottom	4525 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht g J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.9 49.8 59.8 69.8 79.7	19.621 19.621 19.600 19.628 19.614 19.524 19.253 16.269 16.477 16.748	19.621 19.619 19.596 19.623 19.607 19.243 16.258 16.464 16.733	33.653 33.653 33.667 33.744 33.813 33.816 33.604 33.830 34.008	23.834 23.834 23.851 23.903 23.944 23.984 24.0517 24.743 24.816	23.834 23.878 23.938 24.033 24.117 24.201 24.316 24.924 25.093 25.210	23.834 23.850 23.902 23.942 23.982 24.053 24.614 24.740 24.813	405.9 406.2 405.0 400.4 396.9 393.4 386.9 321.9 315.2	.000 .406 .812 1.216 1.613 2.008 2.400 2.755 3.082 3.401	90.2 90.2 90.2 90.1 90.2 90.3 90.3 90.1 90.2	1519.5 1519.7 1519.8 1520.1 1520.3 1520.2 1519.6 1510.8 1513.1	.0 2.0 8.1 18.2 32.3 50.4 72.3 98.1 127.1 159.4	.0 1.8 25.2 101.7 36.4 25.5 635.2 236.4 113.2 114.8
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	16.615 15.420 14.446 14.149 13.856 12.733 12.777 12.186 11.306 10.812	16.599 15.403 14.429 14.130 13.836 12.713 12.755 12.164 11.284 10.789	34.087 33.894 33.707 33.689 33.737 33.605 33.706 33.636 33.571 33.606	24.908 25.031 25.099 25.147 25.246 25.370 25.439 25.499 25.612 25.728	25.346 25.515 25.629 25.722 25.866 26.038 26.151 26.418 26.418	24.905 25.028 25.095 25.144 25.242 25.366 25.435 25.495 25.608 25.724	306.8 295.2 288.9 284.5 275.4 263.5 257.2 251.6 240.9 229.9	3.712 4.014 4.307 4.594 4.874 5.142 5.403 5.657 5.903 6.140	90.3 90.3 90.5 90.6 90.8 90.9 90.8 91.0	1512.9 1509.1 1506.0 1505.2 1504.4 1500.7 1501.1 1499.2 1496.2 1494.6	194.8 233.3 274.7 319.0 366.1 416.0 468.4 523.4 580.9 640.8	67.9 61.8 131.6 39.9 164.6 109.7 119.4 52.2 80.1 152.7
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 248.8 258.8 268.7 278.6 288.6	10.214 9.870 9.440 9.023 8.818 8.619 8.478 8.307 8.190 8.029	10.191 9.846 9.415 8.998 8.793 8.593 8.451 8.279 8.162 8.000	33.661 33.685 33.739 33.823 33.872 33.910 33.933 33.961 33.964 33.976	25.874 25.951 26.065 26.197 26.268 26.369 26.416 26.436 26.470	26.775 26.898 27.058 27.237 27.354 27.462 27.548 27.642 27.708 27.787	25.871 25.947 26.060 26.193 26.264 26.325 26.364 26.412 26.432 26.465	216.0 208.8 198.1 185.5 178.9 173.2 169.6 165.2 163.4 160.3	6.363 6.575 6.780 6.971 7.153 7.329 7.500 7.667 7.832 7.994	91.1 91.0 91.0 91.0 91.0 90.9 90.9 90.8 90.6	1492.7 1491.6 1490.3 1489.0 1488.5 1487.9 1487.6 1487.1 1486.9 1486.4	703.0 767.3 833.7 902.0 972.2 1044.2 1117.8 1193.2 1270.2 1348.8	107.2 82.2 157.1 97.0 96.7 60.3 46.8 31.3 26.0 42.7
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.2 358.1 368.0 377.9 387.9	7.852 7.744 7.598 7.427 7.274 7.100 6.952 6.767 6.658 6.575	7.822 7.713 7.567 7.396 7.242 7.067 6.919 6.734 6.623 6.540	33.979 33.981 33.984 33.987 33.987 33.989 33.990 33.991 33.991	26.498 26.516 26.540 26.566 26.588 26.635 26.635 26.662 26.675 26.685	27.862 27.926 27.996 28.069 28.138 28.210 28.278 28.353 28.412 28.469	26.494 26.512 26.535 26.562 26.584 26.609 26.630 26.658 26.670 26.681	157.6 156.1 153.9 151.5 149.4 147.0 145.1 145.1 141.4 140.4	8.153 8.309 8.464 8.617 8.768 8.916 9.062 9.206 9.206 9.348 9.489	90.4 90.2 89.6 89.1 88.3 87.4 86.6 85.8 84.9	1485.9 1485.7 1485.3 1484.3 1483.8 1483.8 1483.4 1482.4	1428.9 1510.7 1594.0 1678.8 1765.1 1852.9 1942.1 2032.8 2124.9 2218.3	21.3 49.7 17.1 34.4 11.8 29.9 17.6 18.7 16.1 7.3
400.0 410.0 420.0 430.0 440.0 450.0 470.0 480.0 490.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.3 477.2 487.1	6.462 6.405 6.241 6.116 6.009 5.894 5.795 5.722 5.722 5.498	6.426 6.369 6.205 6.079 5.971 5.856 5.756 5.555 5.457	33.989 33.989 34.001 34.003 34.006 34.011 34.013 34.017 34.026 34.032	26.699 26.707 26.735 26.755 26.771 26.789 26.803 26.815 26.838 26.855	28.529 28.583 28.660 28.725 28.788 28.853 28.914 28.972 29.042 29.105	26.695 26.702 26.733 26.750 26.766 26.784 26.799 26.810 26.833 26.850	139.1 138.5 135.7 134.0 132.5 130.8 129.5 128.4 126.3 124.7	9.628 9.767 9.904 10.039 10.172 10.304 10.434 10.563 10.691 10.816	83.2 82.5 82.0 81.7 81.2 80.9 80.7 80.5 80.4	1482.1 1482.0 1481.6 1481.2 1481.0 1480.7 1480.4 1480.3 1480.0 1479.8	2313.2 2409.5 2507.1 2606.0 2706.3 2807.9 2910.8 3014.9 3120.3 3227.0	6.4 20.2 23.6 11.3 15.4 15.4 25.3 14.8 12.1
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0	497.0 506.9 516.8 526.8 536.7 546.6 556.5 566.4 576.3 586.2	5.403 5.346 5.326 5.578 5.653 5.560 5.448 5.343 5.262 5.214	5.362 5.305 5.284 5.533 5.608 5.514 5.295 5.215 5.166	34.040 34.060 34.078 34.140 34.167 34.171 34.171 34.173 34.177 34.182	26.872 26.894 26.912 26.931 26.958 26.958 26.985 26.998 27.008	29.170 29.238 29.302 29.363 29.420 29.481 29.542 29.603 29.662 29.719	26.867 26.889 26.907 26.925 26.938 26.952 26.966 26.980 26.992 27.002	123.1 121.0 119.5 118.2 117.2 115.9 114.5 113.2 112.0 111.2	10.940 11.062 11.182 11.301 11.419 11.536 11.651 11.765 11.877 11.989	80.6 80.8 81.6 82.1 82.7 83.1 83.6 84.1 84.6	1479.5 1479.5 1479.6 1480.9 1481.4 1481.2 1480.9 1480.6 1480.5 1480.5	3334.9 3444.0 3554.3 3665.8 3778.5 3892.3 4007.2 4123.3 4240.5 4358.8	19.4 13.9 9.2 9.0 10.4 17.5 22.7 11.9 26.5
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.7 655.6 655.5 675.4 685.3	5.096 5.092 4.956 4.860 4.762 4.705 4.685 4.652 4.621 4.581	5.048 5.043 4.906 4.811 4.711 4.654 4.634 4.600 4.568 4.527	34.185 34.195 34.198 34.204 34.215 34.222 34.229 34.235 34.244	27.024 27.032 27.046 27.061 27.077 27.092 27.100 27.110 27.117 27.129	29.782 29.837 29.898 29.960 30.023 30.085 30.138 30.194 30.249 30.307	27.018 27.027 27.041 27.055 27.071 27.086 27.094 27.104 27.111 27.123	108.9 107.5 106.1	12.099 12.209 12.316 12.424 12.529 12.633 12.736 12.838 12.939 13.039	85.4 85.9 86.4 86.8 87.4 87.8 88.4 88.8 89.3	1480.1 1480.3 1479.9 1479.7 1479.4 1479.4 1479.5 1479.5 1479.5	4478.2 4598.6 4720.2 4842.8 4966.4 5091.1 5216.8 5343.5 5471.2 5599.8	5.7 27.7 4.8 15.9 15.3 12.1 2 12.1 18.8
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5	4.558 4.510 4.487 4.422 4.387 4.357 4.355 4.346 4.326	4.504 4.455 4.431 4.397 4.365 4.329 4.299 4.296 4.287 4.266	34.252 34.261 34.264 34.272 34.281 34.292 34.301 34.313 34.324 34.329	27.138 27.150 27.156 27.166 27.176 27.189 27.199 27.209 27.218 27.225	30.362 30.420 30.472 30.528 30.585 30.644 30.700 30.756 30.811 30.864	27.132 27.144 27.149 27.160 27.170 27.183 27.193 27.202 27.212 27.212	97.6 96.7 95.7 94.6 93.7 92.9 92.1	13.139 13.238 13.335 13.433 13.529 13.624 13.718 13.811 13.904 13.996	90.0 90.3 90.4 90.4 90.5 90.6 90.6 90.6	1479.6 1479.6 1479.7 1479.7 1479.8 1479.8 1479.8 1480.0 1480.2	5729.5 5860.2 5991.8 6124.3 6257.9 6392.3 6527.7 6664.0 6801.3 6939.4	11.5 13.9 11.5 8.3 11.2 4.2 8.9 13.6 11.3 7.2
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 890.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.296 4.282 4.260 4.195 4.160 4.131 4.055 4.013 3.995	4.235 4.220 4.198 4.167 4.131 4.095 4.067 3.990 3.947 3.928	34.333 34.341 34.348 34.359 34.365 34.371 34.379 34.382 34.388 34.392	27.232 27.239 27.247 27.258 27.268 27.276 27.285 27.296 27.305 27.310	30.917 30.970 31.024 31.082 31.137 31.192 31.248 31.305 31.361 31.412	27.225 27.232 27.240 27.252 27.269 27.278 27.289 27.289 27.298 27.303	90.3 89.7 88.6 87.8 87.0 86.2 85.1 84.3	14.087 14.177 14.268 14.357 14.445 14.532 14.619 14.704 14.789 14.873	90.7 90.6 90.6 90.7 90.7 90.7 90.7 90.6 90.7	1480.3 1480.4 1480.5 1480.5 1480.6 1480.6 1480.5 1480.5 1480.5	7078.4 7218.3 7359.1 7500.8 7643.4 7786.8 7931.0 8076.2 8222.1 8368.9	6.0 5.4 8.6 11.9 6.3 7.2 11.9 12.5 8.6
900.0 910.0 920.0 930.0 940.0 950.0 960.0 980.0 990.0	893.3 903.2 913.1 923.0 932.8 942.7 952.6 962.5 972.4 982.3	4.005 3.992 3.966 3.913 3.888 3.872 3.854 3.854 3.852 3.757	3.937 3.924 3.898 3.843 3.818 3.802 3.782 3.760 3.711 3.684	34.400 34.405 34.413 34.414 34.420 34.426 34.431 34.437 34.437	27.316 27.321 27.330 27.336 27.343 27.350 27.355 27.363 27.368 27.373	31.463 31.515 31.570 31.623 31.676 31.729 31.780 31.834 31.886 31.937	27.308 27.314 27.323 27.329 27.336 27.343 27.348 27.355 27.361 27.366	83.0 82.2 81.6 80.9 80.4 79.9 79.3 78.7	14.957 15.040 15.122 15.204 15.285 15.366 15.446 15.526 15.605 15.683	90.7 90.7 90.6 90.6 90.6 90.6 90.6 90.6	1480.8 1480.9 1481.0 1480.9 1481.0 1481.1 1481.2 1481.3 1481.2 1481.3	8516.5 8664.9 8814.1 8964.1 9114.9 9266.6 9419.0 9572.2 9726.1 9880.9	10.4 7.5 7.5 9.5 1.9 6.6 6.9 7.5 7.2

Station		Latitude				ude 127°	52.66'W	25	Aug 1989	GMT 0			4525 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht g J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0	992.2 1012.0 1031.8 1051.5 1071.3 1091.1 1110.8 1130.6 1150.4 1170.1	3.734 3.688 3.646 3.590 3.543 3.488 3.432 3.392 3.346 3.304	3.660 3.613 3.570 3.513 3.464 3.408 3.351 3.309 3.262 3.219	34.444 34.460 34.468 34.475 34.487 34.491 34.496 34.502 34.508	27.378 27.391 27.400 27.412 27.423 27.428 27.446 27.454 27.454	31.989 32.093 32.195 32.300 32.403 32.510 32.611 32.712 32.813 32.914	27.371 27.383 27.392 27.405 27.415 27.430 27.438 27.446 27.456 27.464	77.8 76.7 75.9 74.8 73.9 72.5 71.7 71.0 70.2 69.4	15.761 15.916 16.069 16.219 16.368 16.515 16.659 16.802 16.943 17.082	90.6 90.5 90.6 90.7 90.6 90.6 90.6 90.6	1481.4 1481.5 1481.7 1481.8 1481.9 1482.0 1482.1 1482.3 1482.4 1482.6	10036.4 10349.6 10665.9 10985.2 11307.4 11632.4 11960.3 12291.0 12624.5 12960.7	5.5 6.7 1.4 1 4.9 8.1 1.4 7.0 1.1 7.3
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0 1380.0	1189.9 1209.7 1229.4 1249.2 1268.9 1288.7 1308.4 1328.2 1347.9 1367.7	3.257 3.213 3.189 3.155 3.107 3.065 3.028 2.988 2.958 2.916	3.171 3.126 3.100 3.065 3.016 2.972 2.934 2.894 2.862 2.819	34.513 34.519 34.521 34.525 34.531 34.535 34.540 34.544 34.547 34.552	27.481 27.489 27.494 27.500 27.509 27.517 27.524 27.531 27.536 27.544	33.016 33.116 33.212 33.311 33.413 33.513 33.612 33.711 33.808 33.909	27.473 27.481 27.485 27.492 27.501 27.508 27.515 27.522 27.527 27.535	68.6 67.9 67.5 67.0 66.1 65.4 64.8 64.8 63.7	17.220 17.357 17.492 17.627 17.760 17.891 18.022 18.151 18.278 18.405	90.6 90.6 90.6 90.6 90.6 90.6 90.6	1482.7 1482.9 1483.1 1483.3 1483.5 1483.6 1484.0 1484.2 1484.2	13299.7 13641.3 13985.5 14332.4 14681.9 15034.0 15388.6 15745.7 16105.4 16467.5	2.3 4.7 3.8 4.1 9 4.7 2.4 75.1 2.4
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.4 1407.1 1426.9 1446.6 1466.3 1486.1 1505.8 1525.5 1545.3 1565.0	2.880 2.857 2.822 2.793 2.763 2.732 2.709 2.678 2.644 2.602	2.781 2.757 2.721 2.690 2.660 2.627 2.602 2.571 2.535 2.492	34.555 34.558 34.561 34.564 34.569 34.570 34.573 34.575 34.575	27.549 27.554 27.560 27.565 27.569 27.574 27.578 27.583 27.587 27.594	34.006 34.103 34.201 34.297 34.394 34.490 34.586 34.682 34.779 34.878	27.541 27.545 27.551 27.556 27.566 27.565 27.568 27.573 27.577 27.584	62.5 62.0 61.5 61.1 60.7 60.0 59.6 59.1 58.5	18.531 18.655 18.779 18.901 19.023 19.144 19.264 19.383 19.502 19.620	90.6 90.5 90.6 90.6 90.6 90.6 90.6	1484.5 1484.7 1484.9 1485.1 1485.5 1485.5 1485.8 1486.0 1486.2 1486.3	16832.1 17199.1 17568.5 17940.3 18314.5 18691.0 19069.9 19451.1 19834.7 20220.5	-1.4 3.0 1.3 5.1 4.2 2.2 4.0 1.3 4.9 3.4
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.7 1604.4 1624.1 1643.8 1663.6 1683.3 1703.0 1722.7 1742.4 1762.1	2.584 2.540 2.505 2.474 2.449 2.415 2.395 2.361 2.340 2.306	2.473 2.427 2.391 2.359 2.332 2.297 2.276 2.241 2.218 2.183	34.582 34.586 34.587 34.590 34.592 34.595 34.599 34.600 34.604	27.598 27.605 27.609 27.614 27.618 27.623 27.623 27.626 27.631 27.634 27.640	34.974 35.073 35.169 35.266 35.362 35.459 35.553 35.650 35.745 35.842	27.588 27.595 27.600 27.605 27.608 27.613 27.616 27.621 27.624 27.629	58.1 57.5 57.0 56.5 56.2 55.7 55.5 54.7 54.7	19.736 19.852 19.966 20.080 20.192 20.304 20.415 20.526 20.635 20.744	90.6 90.6 90.5 90.6 90.6 90.6 90.6 90.7	1486.6 1486.7 1486.9 1487.1 1487.5 1487.5 1488.0 1488.2 1488.2	20608.6 20998.9 21391.5 21786.2 22183.2 22582.3 22983.6 23387.6 23792.6 24200.3	5.8 3.4 3.7 .2 4.4 2.0 3.2 4.4
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.8 1801.5 1821.2 1840.9 1860.6 1880.3 1900.0 1919.7 1939.4 1959.1	2.281 2.268 2.251 2.230 2.210 2.189 2.170 2.159 2.143 2.131	2.157 2.142 2.124 2.101 2.080 2.058 2.037 2.025 2.008 1.994	34.606 34.607 34.609 34.611 34.612 34.615 34.617 34.617 34.619 34.620	27.644 27.645 27.655 27.655 27.659 27.666 27.666 27.666	35.938 36.030 36.124 36.220 36.314 36.409 36.503 36.595 36.689 36.782	27.633 27.635 27.638 27.642 27.644 27.651 27.655 27.655 27.655	53.7 53.6 53.4 53.0 52.8 52.4 52.2 52.1	20.852 20.959 21.066 21.173 21.278 21.384 21.488 21.592 21.696 21.800	90.4 90.5 90.5 90.5 90.5 90.5 90.5	1488.6 1488.9 1489.2 1489.4 1489.7 1489.9 1490.2 1490.5 1490.7	24610.1 25021.9 25435.8 25851.8 26269.9 26689.9 27112.0 27536.1 27962.3 28390.4	3.8 4.8 3.9 1.0 1.6 .1 1.3 2.2
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2350.0 2400.0 2450.0	1978.7 2027.9 2077.1 2126.3 2175.5 2224.6 2273.8 2322.9 2372.0 2421.1	2.115 2.079 2.034 2.003 1.972 1.939 1.904 1.869 1.840	1.977 1.937 1.889 1.854 1.818 1.781 1.743 1.704 1.672 1.635	34.621 34.625 34.631 34.634 34.636 34.640 34.643 34.647 34.649 34.653	27.670 27.676 27.684 27.690 27.695 27.700 27.706 27.712 27.716 27.722	36.875 37.108 37.343 37.575 37.806 38.038 38.270 38.501 38.731 38.963	27.659 27.665 27.673 27.678 27.688 27.688 27.694 27.699 27.703 27.709	51.5 51.0 50.3 49.9 49.5 49.5 48.6 47.1	21.903 22.159 22.412 22.662 22.910 23.157 23.400 23.642 23.881 24.117	90.5 90.6 90.5 90.5 90.5 90.5 90.5	1491.3 1492.0 1492.6 1493.3 1494.0 1494.7 1496.1 1496.1 1496.9 1497.6	28820.5 29904.5 31000.7 32109.0 33229.4 34361.6 35505.6 36661.2 37828.4 39006.9	2.9 1.1 2.1 1.5 7 1.0 3.1 1.7
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2950.0	2470.2 2519.3 2568.4 2617.4 2666.5 27164.6 2813.6 2862.6 2911.6	1.786 1.767 1.749 1.727 1.707 1.687 1.668 1.652 1.634 1.619	1.610 1.586 1.564 1.538 1.513 1.489 1.467 1.446 1.424	34.655 34.659 34.661 34.662 34.666 34.668 34.668 34.669 34.671	27.725 27.728 27.732 27.735 27.738 27.742 27.744 27.747 27.750 27.753	39.191 39.418 39.645 39.873 40.100 40.327 40.553 40.779 41.005 41.230	27.712 27.714 27.718 27.721 27.724 27.727 27.729 27.732 27.735 27.737	46.4 46.4 46.2 45.9 45.5 45.1 44.9	24.352 24.586 24.819 25.051 25.281 25.510 25.738 25.965 26.417	90.5 90.5 90.5 90.5 90.4 90.5 90.6 90.5	1498.3 1499.1 1499.8 1500.6 1501.4 1502.1 1502.9 1503.7 1504.4 1505.2	40196.8 41397.9 42610.2 43833.7 45068.1 46313.6 47569.9 48837.2 50115.2 51404.0	.9 1.0 .4 1 2.0 2.0 3 2 2.2
3000.0 3050.0 3100.0 3150.0 3200.0 3250.0 3350.0 3400.0 3450.0	2960.6 3009.6 3058.5 3107.5 3156.4 3205.3 3254.3 3303.2 3352.1 3400.9	1.604 1.590 1.578 1.564 1.555 1.550 1.544 1.527 1.519	1.385 1.366 1.350 1.331 1.317 1.307 1.297 1.282 1.270 1.257	34.673 34.674 34.675 34.676 34.678 34.678 34.679 34.680 34.682 34.683	27.756 27.758 27.760 27.762 27.764 27.765 27.767 27.769 27.771 27.773	41.455 41.680 41.903 42.126 42.349 42.571 42.793 43.015 43.237 43.458	27.740 27.742 27.743 27.745 27.747 27.748 27.750 27.751 27.753 27.754	44.6 44.6 44.4 44.3 44.3 44.3 44.3	26.641 26.865 27.087 27.310 27.532 27.753 27.975 28.196 28.417 28.638	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1506.0 1506.8 1507.6 1508.4 1509.2 1510.9 1511.7 1512.5 1513.3	52703.6 54013.7 55334.6 56666.0 58008.0 59360.6 60723.7 62097.3 63481.4 64876.0	-1.6 6 .0 5 .1
3500.0 3550.0 3650.0 3650.0 3700.0 3750.0 3850.0 3900.0 3950.0	3449.8 3498.7 3547.6 3596.4 3645.2 3694.0 3742.9 3791.6 3840.4 3889.2	1.515 1.508 1.505 1.500 1.497 1.495 1.495 1.495 1.495	1.248 1.236 1.228 1.218 1.210 1.202 1.198 1.191 1.186 1.184	34.684 34.685 34.686 34.687 34.688 34.689 34.689 34.690 34.690	27.775 27.776 27.777 27.779 27.780 27.782 27.782 27.783 27.784 27.784	43.679 43.901 44.120 44.340 44.560 44.779 44.997 45.215 45.433 45.650	27.756 27.757 27.758 27.759 27.760 27.761 27.761 27.761 27.762 27.762	44.1 44.1 44.1 44.1 44.1 44.3 44.3 44.4	28.858 29.079 29.299 29.520 29.740 29.961 30.182 30.403 30.625 30.848	90.4 90.5 90.4 90.4 90.4 90.4 90.4 90.5	1514.2 1515.0 1515.8 1516.7 1517.5 1518.4 1519.2 1520.1 1520.9 1521.8	66281.1 67696.7 69122.7 70559.1 72006.0 73463.4 74931.1 76409.4 77898.2 79397.5	.6 1.0 1.0 6 9 8
4000.0 4100.0 4150.0 4200.0 4250.0 4300.0 4350.0 4400.0 4450.0	3938.0 3986.8 4035.5 4084.2 4133.0 4181.7 4230.4 4279.1 4327.8 4376.4	1.499 1.502 1.506 1.511 1.514 1.516 1.519 1.523 1.527	1.180 1.177 1.176 1.175 1.173 1.169 1.166 1.164 1.163	34.692 34.692 34.692 34.693 34.693 34.693 34.693 34.693	27.785 27.786 27.786 27.786 27.787 27.787 27.788 27.788 27.788 27.788	45.867 46.083 46.299 46.515 46.730 46.946 47.161 47.376 47.590 47.804	27.763 27.763 27.763 27.762 27.763 27.763 27.763 27.763 27.762 27.762	44.7 44.8 45.2 45.4 45.5 45.7 45.9 46.2	31.071 31.294 31.519 31.744 31.971 32.198 32.426 32.655 32.885 33.116	90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4	1522.7 1523.5 1524.4 1525.3 1526.2 1527.9 1528.8 1529.7 1530.6	80907.3 82427.7 83958.6 85500.2 87052.5 88615.5 90189.3 91773.8 93369.1 94975.4	.5 6 1.8 6 6 6

Station	28	Latitude	32' 45.	57'N	Longitu	ide 127°	52.66'W	25	Aug 1989	GMT 01	:09	Bottom	4525 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m ³ /s ²	N ² 10 ⁶ /s ²
4500.0 4550.0 4584.0	4425.1 4473.7 4506.8	1.537 1.542 1.546	1.160 1.160 1.160	34.694 34.694 34.694	27.789 27.789 27.789	48.018 48.231 48.376	27.762 27.762 27.761	46.4 46.6 46.8	33.347 33.580 33.739	90.3 90.4 90.4	1531.5 1532.4 1533.0	96592.5 98220.6 99333.9	-2.3 1.0

Station	29	Latitude	32* 32.	59'N	Longitu	ide 128°	00.77'W	25	Aug 1989	GMT 05	5:08	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	.0 10.0 19.9 29.9 39.9 49.8 59.8 69.8 79.7	19.782 19.784 19.784 19.724 19.675 19.371 17.497 16.940 16.592	19.782 19.781 19.780 19.774 19.666 19.361 17.485 16.927 16.577	33.818 33.818 33.819 33.820 33.841 33.880 33.966 33.984 34.002	23.918 23.919 23.919 23.921 23.937 23.966 24.074 24.606 24.753 24.848	23.918 23.962 24.006 24.051 24.111 24.183 24.334 24.334 24.911 25.102 25.243	23.918 23.919 23.918 23.919 23.935 23.964 24.071 24.603 24.749 24.845	397.8 398.1 398.5 398.7 397.5 395.1 385.2 334.7 321.0 312.2	.000 .398 .796 1.195 1.594 1.990 2.382 2.740 3.067 3.384	90.1 90.0 90.1 90.1 90.0 90.1 90.1 90.2 90.2	1520.1 1520.3 1520.5 1520.6 1520.6 1520.7 1520.1 1514.9 1513.4 1512.6	.0 2.0 7.9 17.9 31.8 49.6 71.4 97.0 125.9 158.0	.0 9 5 2.4 25.0 65.7 272.7 247.8 82.3 81.9
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	16.464 16.184 15.576 14.733 14.144 13.644 13.174 12.692 12.257 12.003	16.448 16.167 15.558 14.714 14.124 13.623 13.152 12.669 12.233 11.979	34.088 34.147 34.089 33.985 33.914 33.874 33.867 33.861 33.824 33.816	24.944 25.054 25.147 25.252 25.323 25.396 25.485 25.632 25.674	25.382 25.537 25.675 25.826 25.942 26.060 26.195 26.333 26.434 26.522	24.940 25.051 25.143 25.248 25.319 25.391 25.481 25.572 25.627 25.670	303.4 293.2 284.6 274.7 268.1 261.4 253.1 253.1 239.3 235.5	3.691 3.990 4.279 4.558 4.830 5.095 5.352 5.352 6.079	90.4 90.3 90.5 90.6 90.7 90.7 90.8 91.0 90.9	1512.5 1511.8 1510.0 1507.4 1505.6 1504.1 1502.6 1501.2 1499.8 1499.1	193.3 231.5 272.7 316.7 363.4 412.8 464.7 519.2 576.1 635.4	56.1 129.3 74.8 37.4 90.3 45.4 62.9 54.9 34.4 95.2
200.0 210.0 220.0 230.0 240.0 250.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 248.8 258.8 268.7 278.6 288.6	11.347 10.706 10.128 9.681 9.530 9.231 8.964 8.903 8.647 8.472	11.323 10.681 10.103 9.656 9.504 9.204 8.936 8.874 8.618 8.442	33.777 33.765 33.783 33.835 33.859 33.961 33.961 33.990 33.993 33.996	25.766 25.871 25.985 26.100 26.144 26.259 26.315 26.347 26.390 26.419	26.661 26.814 26.975 27.138 27.227 27.388 27.491 27.569 27.658 27.733	25.761 25.867 25.980 26.096 26.139 26.254 26.310 26.343 26.385 26.414	226.8 216.8 205.9 195.0 191.0 180.2 174.9 172.0 168.1 165.4	6.310 6.532 6.743 6.943 7.135 7.321 7.499 7.672 7.842 8.008	91.0 90.9 91.0 91.0 90.9 90.9 90.9	1496.9 1494.8 1492.9 1491.5 1490.3 1489.4 1488.6 1488.1	697.0 760.9 826.9 894.9 964.8 1036.7 1110.3 1185.7 1262.7 1341.5	82.2 128.1 103.4 7.8 26.0 68.1 73.6 74.5 34.9 24.6
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.2 348.2 358.1 368.0 378.0 387.9	8.313 8.197 8.060 7.863 7.580 7.458 7.293 7.220 6.945 6.850	8.282 8.166 8.028 7.830 7.547 7.424 7.259 7.185 6.909 6.814	33.999 33.999 34.000 33.985 33.988 33.988 33.988 33.988 33.990	26.446 26.463 26.511 26.543 26.563 26.596 26.636 26.653	27.807 27.869 27.937 28.011 28.090 28.157 28.227 28.283 28.370 28.434	26.441 26.458 26.479 26.506 26.538 26.558 26.581 26.591 26.631 26.648	162.9 161.4 159.5 157.0 153.9 152.1 149.9 149.1 145.3 143.7	8.172 8.334 8.495 8.653 8.808 8.961 9.112 9.262 9.408 9.553	90.9 90.8 90.7 90.8 90.8 90.7 90.8 90.7	1487.7 1487.4 1487.1 1486.5 1485.5 1485.2 1484.6 1483.7 1483.5	1421.8 1503.8 1587.3 1672.5 1759.2 1847.4 1937.1 2028.3 2121.0 2215.1	21.1 24.3 26.9 35.1 18.0 18.3 10.6 36.7 17.6 16.4
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.3 477.2 487.1	6.752 6.664 6.478 6.291 6.079 5.929 5.855 5.810 5.670	6.715 6.627 6.441 6.253 6.139 6.040 5.889 5.815 5.769 5.629	33.993 33.992 33.996 33.998 34.009 34.007 34.011 34.024 34.034 34.028	26.664 26.676 26.703 26.729 26.753 26.763 26.785 26.805 26.819 26.831	28.491 28.549 28.623 28.697 28.767 28.825 28.825 28.894 28.960 29.020 29.080	26.659 26.671 26.698 26.724 26.748 26.758 26.780 26.800 26.813 26.826	142.8 141.7 139.1 136.6 134.4 133.5 131.3 129.6 128.4 127.1	9.696 9.839 9.979 10.117 10.252 10.387 10.519 10.649 10.778 10.906	90.8 90.7 90.7 90.8 90.8 90.8 90.7 90.7	1483.3 1483.1 1482.5 1481.9 1481.7 1481.4 1481.0 1480.9 1480.9	2310.6 2407.6 2505.9 2605.6 2706.7 2809.1 2912.8 3017.8 3124.1 3231.6	10.9 17.9 23.1 15.5 22.8 18.9 22.7 23.3 8.7 6.3
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.9 526.8 536.7 546.5 556.5 566.4 576.3	5.567 5.477 5.366 5.290 5.218 5.106 5.028 4.974 4.950	5.525 5.435 5.324 5.246 5.200 5.174 5.061 4.983 4.928 4.903	34.031 34.034 34.040 34.054 34.063 34.076 34.088 34.093 34.107 34.119	26.845 26.858 26.877 26.897 26.910 26.923 26.946 26.958 26.958	29.141 29.201 29.266 29.333 29.392 29.451 29.521 29.581 29.645 29.703	26.840 26.853 26.872 26.892 26.904 26.917 26.940 26.953 26.970 26.983	125.8 124.6 122.8 120.9 119.8 118.7 116.5 115.3 113.7 112.6	11.032 11.157 11.281 11.402 11.523 11.642 11.760 11.876 11.990 12.104	90.8 90.7 90.8 90.8 90.7 90.7 90.7	1480.2 1480.0 1479.7 1479.6 1479.6 1479.7 1479.4 1479.2 1479.2	3340.4 3450.5 3561.7 3674.2 3787.9 3902.7 4018.8 4135.9 4254.2 4373.7	25.0 20.6 19.7 19.4 4.5 14.2 9.5 19.1 17.1
600.0 610.0 620.0 630.0 640.0 650.0 670.0 680.0 690.0	596.2 606.1 616.0 625.9 635.8 645.7 655.6 675.5 685.4	4.887 4.810 4.772 4.682 4.616 4.609 4.609 4.473 4.478 4.428	4.839 4.762 4.723 4.633 4.566 4.558 4.558 4.422 4.426 4.375	34.127 34.132 34.147 34.151 34.158 34.174 34.197 34.199 34.216 34.222	27.002 27.014 27.030 27.044 27.056 27.070 27.088 27.104 27.118 27.128	29.763 29.823 29.885 29.946 30.005 30.128 30.128 30.193 30.252 30.309	26.996 27.009 27.025 27.038 27.051 27.065 27.082 27.099 27.112 27.123	111.4 110.2 108.7 107.4 106.2 105.1 103.5 101.8 100.7 99.7	12.216 12.326 12.436 12.544 12.651 12.756 12.861 12.963 13.064 13.165	90.7 90.7 90.7 90.7 90.7 90.8 90.7 90.7 90.7	1479.2 1479.0 1479.1 1478.9 1478.8 1478.9 1479.1 1478.7 1478.9	4494.2 4615.8 4738.6 4862.4 4987.2 5113.1 5240.0 5368.0 5466.9 5626.8	18.8 5.6 9.7 18.5 4.7 29.4 11.2 11.2
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.8 754.7 764.6 774.5 784.4	4.412 4.405 4.396 4.396 4.377 4.353 4.310 4.279 4.234 4.207	4.358 4.351 4.340 4.320 4.295 4.252 4.220 4.175 4.147	34.234 34.243 34.256 34.266 34.272 34.280 34.292 34.302 34.315 34.324	27.139 27.147 27.159 27.167 27.174 27.183 27.197 27.208 27.223 27.223	30.366 30.419 30.476 30.531 30.584 30.639 30.699 30.757 30.818 30.875	27.133 27.141 27.153 27.161 27.168 27.177 27.191 27.202 27.216 27.227	98.8 98.1 97.2 96.5 95.1 93.8 92.8 91.4 90.5	13.264 13.362 13.460 13.557 13.653 13.748 13.843 13.936 14.028 14.119	90.7 90.7 90.7 90.7 90.6 90.7 90.7 90.7 90.7	1479.0 1479.1 1479.3 1479.5 1479.6 1479.6 1479.7 1479.7	5757.7 5889.6 6022.5 6156.3 6291.0 6426.7 6563.3 6700.9 6839.3 6978.7	3.9 2.7 1.2 5.9 2.7 20.6 5.1 8.3 12.1 10.4
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.8 843.8 853.7 863.6 873.5 883.4	4.187 4.177 4.154 4.197 4.174 4.142 4.122 4.074 4.070 4.009	4.126 4.092 4.134 4.111 4.078 4.058 4.009 4.004 3.942	34.349 34.349 34.369 34.377 34.378 34.389 34.391 34.401 34.404	27.242 27.253 27.259 27.271 27.279 27.283 27.294 27.301 27.309 27.318	30.929 30.986 31.038 31.094 31.149 31.200 31.256 31.310 31.364 31.420	27.235 27.246 27.252 27.264 27.272 27.277 27.287 27.294 27.303 27.311	89.8 88.8 88.3 87.4 86.7 86.3 85.3 84.7 84.0 83.1	14.209 14.298 14.387 14.475 14.562 14.648 14.734 14.819 14.903 14.987	90.7 90.6 90.7 90.7 90.6 90.6 90.6 90.6	1479.8 1480.0 1480.0 1480.4 1480.5 1480.6 1480.6 1480.8 1480.7	7118.9 7260.1 7402.1 7544.9 7688.6 7833.2 7978.6 8124.9 8271.9 8419.8	11.5 6.3 12.7 7.2 10.7 11.9 9.5 5.1 7.2 19.2
900.0 910.0 920.0 930.0 940.0 950.0 970.0 980.0 990.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.5 972.4 982.3	3.952 3.973 3.856 3.831 3.807 3.827 3.798 3.779 3.768 3.759	3.885 3.905 3.788 3.763 3.738 3.757 3.727 3.707 3.696 3.685	34.406 34.423 34.417 34.419 34.424 34.432 34.435 34.437 34.441	27.326 27.337 27.344 27.348 27.355 27.359 27.364 27.368 27.373 27.378	31.475 31.531 31.586 31.637 31.689 31.740 31.790 31.840 31.891 31.942	27.319 27.330 27.337 27.341 27.347 27.353 27.357 27.361 27.365 27.371	82.4 81.4 80.7 80.3 79.7 79.4 79.6 78.3 77.8	15.070 15.152 15.233 15.313 15.393 15.473 15.552 15.631 15.709 15.787	90.6 90.6 90.6 90.6 90.6 90.6 90.6	1480.6 1480.9 1480.5 1480.6 1480.7 1480.9 1481.0 1481.1 1481.2 1481.3	8568.6 8718.1 8868.4 9019.5 9171.4 9324.1 9477.6 9631.8 9786.8 9942.6	13.3 10.1 3.4 3.1 4.8 2.8 5.4 2.2 4.3

Station Pres.	29 Depth	Latitude Temp.	32° 32. Pot.T.	.59'N Sal	Sigma-€	ude 128° Sigma-z	Sigma-t		Aug 1989 Dyn.Ht	GMT 0	5:08 SV	TF	4400 m N ²
db 1000.0	m 992.2	°C 3.715	°C	0/00	kg/m ³	kg/m ³	kg/m ³	10 ⁸ m ³ /k	g J/kg	0/0	m/s	m^3/s^2	$10^6/s^2$
1020.0 1040.0 1060.0 1080.0 1100.0 1120.0 1140.0 1160.0	1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.6 1150.4	3.715 3.638 3.585 3.539 3.513 3.470 3.470 3.351 3.314 3.287	3.641 3.563 3.510 3.462 3.434 3.390 3.321 3.269 3.230 3.202	34.449 34.458 34.467 34.482 34.482 34.494 34.500 34.506 34.509	27.384 27.399 27.422 27.431 27.439 27.461 27.469 27.475	31.995 32.103 32.208 32.311 32.411 32.512 32.617 32.720 32.820 32.917	27.377 27.392 27.404 27.415 27.423 27.431 27.444 27.453 27.461 27.467	77.3 75.8 74.7 73.8 73.1 72.3 71.2 70.2 69.5 69.1	15.865 16.018 16.168 16.317 16.464 16.609 16.752 16.894 17.034 17.172	90.6 90.5 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1481.3 1481.3 1481.6 1481.8 1482.0 1482.1 1482.3 1482.3	10099.1 10414.4 10732.7 11053.9 11378.0 11704.9 12034.7 12367.2 12702.5 13040.5	7.8 10.2 5.8 6.9 7.5 2.9 6.7 .0 7.3
1200.0 1220.0 1240.0 1260.0 1380.0 1320.0 1340.0 1360.0 1380.0	1189.9 1209.7 1229.4 1249.2 1268.9 1288.7 1308.4 1328.2 1347.9 1367.7	3.253 3.205 3.150 3.121 3.081 3.042 3.002 2.970 2.935 2.908	3.167 3.118 3.062 3.031 2.991 2.950 2.908 2.875 2.840 2.811	34.514 34.519 34.525 34.527 34.532 34.541 34.543 34.543 34.547	27.481 27.490 27.500 27.505 27.513 27.527 27.527 27.532 27.538 27.542	33.016 33.118 33.221 33.317 33.417 33.516 33.616 33.713 33.811 33.908	27.473 27.482 27.492 27.504 27.511 27.518 27.523 27.529 27.534	68.6 67.7 66.8 66.4 65.7 65.1 64.4 63.4	17.310 17.446 17.581 17.714 17.846 17.977 18.106 18.235 18.362 18.489	90.6 90.6 90.6 90.6 90.6 90.6 90.6	1482.7 1482.9 1483.0 1483.2 1483.3 1483.7 1483.7 1484.1 1484.3	13381.2 13724.6 14070.6 14419.2 14770.5 15124.2 15480.5 15839.3 16200.7 16564.4	36.55546267 3.45.7
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.4 1407.2 1426.9 1446.6 1466.4 1486.1 1505.8 1525.6 1545.3 1565.0	2.887 2.857 2.819 2.782 2.757 2.742 2.661 2.625 2.612	2.788 2.757 2.718 2.680 2.654 2.637 2.5591 2.553 2.516 2.502	34.552 34.555 34.558 34.562 34.564 34.569 34.572 34.576 34.576	27.547 27.552 27.558 27.564 27.568 27.571 27.578 27.583 27.589 27.592	34.003 34.109 34.199 34.297 34.393 34.487 34.586 34.684 34.782 34.876	27.538 27.549 27.555 27.559 27.562 27.569 27.569 27.580 27.580	62.8 62.3 61.7 61.1 60.6 59.9 59.4 58.8 58.7	18.614 18.740 18.864 18.986 19.108 19.230 19.350 19.469 19.588 19.705	90.6 90.6 90.6 90.6 90.6 90.5 90.5	1484.5 1484.7 1484.9 1485.1 1485.3 1485.7 1485.7 1486.1 1486.4	16930.7 17299.3 17670.4 18043.9 18419.8 18798.0 19178.6 19561.5 19946.8 20334.3	3.4 4.5 3.9 1.2 2.5 3.4
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.7 1604.4 1624.2 1643.9 1663.6 1683.3 1703.0 1722.7 1742.4 1762.2	2.580 2.545 2.503 2.478 2.442 2.390 2.362 2.336 2.336 2.323 2.303	2.468 2.432 2.390 2.363 2.326 2.273 2.243 2.216 2.201 2.180	34.580 34.583 34.586 34.588 34.591 34.595 34.598 34.600 34.602 34.603	27.597 27.603 27.608 27.612 27.618 27.630 27.634 27.637 27.639	34.972 35.071 35.168 35.264 35.362 35.462 35.559 35.654 35.842	27.587 27.593 27.598 27.603 27.608 27.616 27.620 27.624 27.627 27.629	58.2 57.1 56.7 56.1 55.3 54.9 54.3 54.1	19.822 19.938 20.053 20.167 20.279 20.391 20.501 20.611 20.719 20.828	90.6 90.6 90.6 90.6 90.6 90.6 90.6	1486.6 1486.8 1486.9 1487.1 1487.3 1487.4 1487.7 1487.9 1488.2 1488.4	20724.0 21116.1 21510.4 21906.8 22305.5 22706.4 23109.4 23514.5 23921.7 24331.1	3.4 4.9 2.6 1.1 -1.8 3.8 .6 9 -1.1
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0	1781.8 1801.6 1821.3 1840.9 1860.6 1880.3 1900.0 1919.7 1939.4 1959.1	2.290 2.275 2.261 2.245 2.222 2.190 2.160 2.149 2.129 2.113	2.165 2.150 2.134 2.116 2.092 2.059 2.028 2.015 1.994 1.976	34.604 34.606 34.607 34.608 34.611 34.613 34.617 34.618 34.620 34.621	27.642 27.644 27.649 27.653 27.653 27.663 27.665 27.668 27.668	35.935 36.029 36.122 36.215 36.311 36.407 36.505 36.597 36.692 36.785	27.631 27.634 27.636 27.638 27.642 27.647 27.652 27.654 27.657 27.660	54.0 53.8 53.6 53.1 52.6 52.0 51.9 51.4	20.936 21.044 21.151 21.258 21.365 21.470 21.575 21.679 21.782 21.885	90.6 90.6 90.6 90.6 90.6 90.6 90.6	1488.7 1489.0 1489.2 1489.5 1489.7 1489.9 1490.1 1490.7 1490.7	24742.5 25156.0 25571.6 25989.3 26409.1 26830.9 27254.7 27680.5 28108.3 28538.2	2.4 3.0 1.2 2.1 1.6 3.3 1.0 1 3.1
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2300.0 2350.0 2400.0 2450.0	1978.8 2028.0 2077.2 2126.3 2175.5 2224.7 2273.8 2322.9 2372.1 2421.2	2.090 2.048 2.021 1.986 1.952 1.920 1.893 1.864 1.836 1.811	1.952 1.906 1.875 1.837 1.799 1.763 1.732 1.700 1.667 1.639	34.624 34.629 34.632 34.635 34.639 34.641 34.644 34.6647 34.650 34.652	27.674 27.681 27.687 27.692 27.698 27.703 27.707 27.712 27.717 27.720	36.880 37.115 37.347 37.578 37.810 38.041 38.272 38.502 38.732 38.961	27.664 27.670 27.676 27.681 27.686 27.691 27.695 27.699 27.704 27.707	51.0 50.4 50.0 49.5 49.1 48.7 48.3 47.9 47.5	21.988 22.242 22.493 22.742 22.988 23.232 23.475 23.715 23.715 23.754 24.191	90.5 90.5 90.6 90.6 90.6 90.6 90.6	1491.2 1491.8 1492.6 1493.3 1494.0 1494.7 1495.4 1496.8 1497.6	28969.9 30058.0 31158.3 32270.6 3394.8 34530.8 35678.5 36837.8 38008.6 39190.8	1.1 1.7 3 2.1 3.3 1.9 2 2.2
2500.0 2550.0 2600.0 2650.0 2750.0 2800.0 2850.0 2900.0 2950.0	2470.3 2519.4 2568.4 2617.5 2666.6 2715.6 2764.6 2813.6 2862.7 2911.6	1.788 1.766 1.745 1.726 1.705 1.687 1.673 1.658 1.646 1.627	1.611 1.585 1.561 1.537 1.512 1.489 1.471 1.452 1.435	34.655 34.658 34.660 34.662 34.665 34.666 34.667 34.669 34.670	27.725 27.729 27.731 27.735 27.739 27.742 27.744 27.747 27.749 27.752	39.190 39.418 39.646 39.873 40.100 40.327 40.552 40.778 41.002 41.228	27.712 27.715 27.718 27.721 27.724 27.727 27.729 27.731 27.733 27.736	46.9 46.4 46.2 45.7 45.7 45.4 45.3 45.1	24.426 24.660 24.892 25.124 25.354 25.583 25.812 26.039 26.266 26.492	90.5 90.6 90.6 90.6 90.6 90.5 90.5 90.5	1498.3 1499.1 1499.8 1500.6 1501.3 1502.1 1502.9 1503.7 1504.5 1505.3	40384.3 41589.0 42804.9 44032.0 45270.0 46519.0 47779.0 49049.9 50331.6 51624.1	2 2 1.1 4 9 2.7
3000.0 3050.0 3150.0 3200.0 3250.0 3350.0 3400.0 3450.0	2960.6 3009.6 3058.6 3107.5 3156.5 3205.4 3254.3 3303.2 3352.1 3401.0	1.619 1.605 1.591 1.580 1.570 1.562 1.554 1.536 1.536	1.400 1.380 1.362 1.346 1.332 1.319 1.307 1.293 1.279	34.671 34.673 34.674 34.675 34.677 34.677 34.679 34.680 34.681 34.682	27.753 27.756 27.758 27.760 27.763 27.764 27.767 27.768 27.770 27.772	41.451 41.676 41.900 42.123 42.347 42.569 42.791 43.013 43.235 43.456	27.737 27.740 27.742 27.744 27.746 27.747 27.749 27.750 27.751 27.753	45.1 44.8 44.6 44.6 44.5 44.4 44.3	26.718 26.943 27.167 27.391 27.614 27.837 28.060 28.282 28.504 28.726	90.5 90.5 90.5 90.6 90.6 90.5 90.5 90.5	1506.1 1506.9 1507.6 1508.5 1509.3 1510.1 1510.9 1511.7 1512.5 1513.4	52927.4 54241.4 55566.1 56901.5 58247.6 59604.2 60971.5 62349.3 62349.3 65136.6	.2 .8 .3 .4 .7 1.9
3500.0 3550.0 3600.0 3650.0 3700.0 3750.0 3850.0 3850.0 3900.0 3950.0	3449.9 3498.8 3547.6 3596.5 3645.3 3694.1 3742.9 3791.7 3840.5 3889.3	1.525 1.517 1.515 1.510 1.508 1.505 1.505 1.505 1.505 1.504 1.506	1.258 1.245 1.238 1.228 1.221 1.213 1.205 1.201 1.196 1.192	34.683 34.684 34.685 34.686 34.687 34.688 34.688 34.689 34.690	27.773 27.775 27.776 27.778 27.779 27.780 27.781 27.782 27.783 27.783	43.898 44.118 44.338 44.557 44.776 44.995 45.213 45.431	27.754 27.756 27.757 27.758 27.758 27.759 27.760 27.760 27.761 27.761	44.3 44.4 44.4 44.4	29.169 29.391 29.612 29.834 30.056 30.278 30.500 30.723	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1514.2 1515.0 1515.9 1516.7 1517.6 1518.4 1519.3 1520.1 1521.0 1521.8	66546.1 67966.0 69396.5 70837.5 72289.0 73750.9 75223.4 76706.4 78200.0 79704.1	9 5 1.6 .5 6 9 -1.9
4000.0 4050.0 4100.0 4150.0 4250.0 4300.0 4350.0 4400.0 4472.0	3938.1 3986.8 4035.6 4084.3 4133.0 4181.8 4230.5 4279.2 4327.8 4376.5 4397.9	1.509 1.510 1.513 1.516 1.519 1.524 1.527 1.531 1.536 1.539 1.540	1.189 1.185 1.183 1.180 1.177 1.177 1.174 1.172 1.171 1.168 1.167	34.690 34.691 34.692 34.692 34.692 34.692 34.693 34.693 34.693 34.693	27.784 27.785 27.785 27.786 27.786 27.786 27.787 27.787 27.787 27.787	46.082 46.297 46.514 46.729 46.944 47.159 47.374 47.588 47.802	27.761 27.762 27.762 27.762 27.762 27.761 27.761 27.761 27.761 27.760 27.761	44.9 45.0 45.2 45.3 45.5 45.7 45.9 46.0 46.2 46.4 46.5	31.396 31.621 31.848 32.075 32.303 32.532 32.762 32.993 33.224	90.5 90.5 90.5 90.4 90.4 90.4 90.4 90.4	1522.7 1523.6 1524.5 1525.3 1526.2 1527.1 1528.0 1528.9 1529.7 1529.7 1531.0	81218.8 82744.1 84280.0 85826.7 87384.0 88952.2 90531.1 92120.8 93721.4 953333.0 96045.5	2 3 .6 .1 7 .2 3 6 -2.3

Station	30	Latitude	32' 19.	10'N	Longitu	ide 128°	08.88'W	25	Aug 1989	GMT 09	9:17	Bottom	4350 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ^{TF}	$10^{6}/s^{2}$
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	10.0 19.9 29.9 39.9 49.8 59.8 79.7 89.7	19.710 19.713 19.722 19.720 19.704 19.672 19.522 18.955 17.655 17.205	19.710 19.712 19.718 19.715 19.696 19.663 19.511 18.943 17.641 17.191	33.741 33.740 33.739 33.739 33.742 33.794 33.990 34.099 34.018 34.040	23.878 23.878 23.876 23.883 23.931 24.120 24.348 24.608 24.733	23.878 23.921 23.961 24.005 24.056 24.148 24.380 24.380 24.957 25.126	23.878 23.877 23.874 23.881 23.929 24.117 24.345 24.605 24.730	401.7 402.1 402.7 403.0 402.7 398.4 380.8 359.4 334.9 323.3	.000 .402 .804 1.207 1.610 2.011 2.400 2.776 3.119 3.449	89.8 89.9 89.9 89.9 89.9 89.9 89.0 90.0	1519.9 1520.0 1520.2 1520.4 1520.6 1520.6 1520.6 1519.3 1515.6 1514.5	.0 2.0 8.0 18.0 32.1 50.1 72.1 97.9 127.3 160.0	-8.9 1.5 7 24.4 47.8 67.1 622.8 133.9 146.4
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	16.873 16.678 16.539 15.944 14.820 14.411 13.296 12.683 11.936 11.129	16.857 16.661 16.520 15.924 14.800 14.389 13.274 12.660 11.913 11.105	34.139 34.148 34.217 34.214 34.086 34.029 33.885 33.885 33.747 33.742	24.888 24.941 25.027 25.161 25.311 25.356 25.475 25.633 25.778	25.325 25.552 25.731 25.928 26.018 26.185 26.293 26.437 26.629	24.884 24.937 25.023 25.156 25.307 25.351 25.470 25.532 25.629 25.773	308.8 304.0 296.2 283.7 269.4 265.4 254.1 239.1 2239.1	3.764 4.069 4.370 4.658 4.934 5.201 5.461 5.952 6.185	90.1 90.1 90.4 90.5 90.6 90.7 90.7 90.8	1513.8 1513.3 1513.2 1511.5 1508.0 1506.7 1503.1 1501.1 1498.6 1495.9	196.0 235.0 277.0 321.9 369.7 420.1 473.1 528.7 586.7 647.1	125.0 38.3 83.4 119.3 77.3 115.6 148.2 42.2 96.8
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.0 229.0 238.9 248.9 258.8 268.7 278.7 288.6	10.864 10.484 9.974 9.762 9.474 9.190 9.080 8.795 8.650 8.506	10.840 10.460 9.948 9.736 9.448 9.163 9.052 8.767 8.621 8.475	33.826 33.803 33.822 33.843 33.870 33.896 33.910 33.930 33.960 33.981	25.891 25.939 26.042 26.093 26.162 26.228 26.257 26.318 26.363 26.403	26.788 26.883 27.032 27.130 27.245 27.358 27.432 27.540 27.631 27.717	25.886 25.935 26.037 26.089 26.158 26.224 26.252 26.313 26.358 26.398	214.8 210.2 200.5 195.7 189.3 183.1 180.5 174.8 170.6 167.0	6.405 6.618 6.823 7.022 7.214 7.400 7.581 7.758 7.931 8.100	90.8 90.8 90.8 90.8 90.8 90.8 90.8 90.8	1495.2 1494.0 1492.4 1491.8 1490.9 1490.1 1488.9 1488.6 1488.2	709.7 774.4 841.2 910.0 980.8 1053.4 1127.8 1204.0 1282.0 1361.6	70.1 73.3 45.3 46.8 56.1 42.6 59.7 28.1 53.6
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.3 348.2 358.1 368.0 378.0 387.9	8.286 8.172 8.034 7.855 7.682 7.558 7.291 7.181 7.057 6.850	8.255 8.141 8.002 7.822 7.649 7.524 7.256 7.147 7.021 6.814	33.997 33.998 33.998 33.999 34.002 34.002 34.002 33.998 33.991 33.992	26.448 26.466 26.487 26.514 26.559 26.597 26.609 26.621 26.650	27.809 27.873 27.941 28.014 28.089 28.152 28.238 28.296 28.354 28.431	26.444 26.462 26.483 26.509 26.537 26.554 26.604 26.616 26.646	162.7 161.1 159.2 156.7 154.1 152.6 148.9 147.8 146.8 144.0	8.264 8.426 8.586 8.744 8.899 9.053 9.204 9.352 9.500 9.645	90.8 90.7 90.8 90.8 90.7 90.7 90.7 90.7	1487.6 1487.3 1487.0 1486.4 1485.9 1485.6 1484.7 1484.5 1484.1 1483.5	1442.9 1525.8 1610.2 1696.3 1783.9 1873.0 1963.6 2055.8 2149.3 2244.4	32.2 23.1 33.3 18.7 20.4 22.1 31.7 15.0 29.9 32.5
400.0 410.0 420.0 430.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.7 427.6 437.5 447.4 457.4 457.3 477.2 487.1	6.648 6.547 6.426 6.268 6.122 6.032 6.055 6.001 5.829	6.612 6.510 6.389 6.302 6.229 6.083 5.992 6.014 5.959 5.787	33.995 33.998 33.999 34.003 34.016 34.016 34.019 34.037 34.049 34.043	26.680 26.696 26.712 26.726 26.740 26.765 26.779 26.790 26.807 26.823	28.508 28.570 28.633 28.694 28.754 28.826 28.887 28.943 29.006 29.070	26.675 26.691 26.707 26.721 26.735 26.760 26.774 26.785 26.802 26.818	141.2 139.8 138.2 136.9 135.7 133.4 132.0 131.2 129.7 128.1	9.787 9.928 10.067 10.204 10.340 10.475 10.608 10.739 10.870 10.998	90.6 90.7 90.7 90.6 90.6 90.6 90.6 90.6	1482.9 1482.6 1482.3 1482.1 1482.0 1481.6 1481.4 1481.7 1481.7	2340.8 2438.6 2537.8 2638.4 2740.4 2843.6 2948.2 3054.1 3161.3 3269.8	19.6 19.3 18.4 4.3 7.2 15.7 20.7 22.5 21.3
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 507.0 516.9 526.8 536.7 546.5 556.5 576.4 586.3	5.738 5.610 5.530 5.503 5.375 5.195 5.114 5.046 4.971	5.695 5.567 5.487 5.459 5.331 5.151 5.069 5.000 4.925 4.860	34.049 34.054 34.068 34.071 34.072 34.074 34.085 34.096 34.105	26.839 26.868 26.868 26.900 26.923 26.933 26.950 26.967 26.982	29.133 29.196 29.256 29.316 29.381 29.451 29.509 29.572 29.636 29.698	26.834 26.850 26.863 26.878 26.895 26.917 26.928 26.944 26.962 26.977	126.6 125.1 123.8 122.5 120.9 118.7 117.7 116.1 114.5	11.126 11.251 11.376 11.499 11.621 11.740 11.858 11.975 12.090 12.204	90.5 90.6 90.5 90.6 90.6 90.6 90.6 90.6	1480.9 1480.6 1480.4 1480.5 1480.1 1479.6 1479.4 1479.3 1479.2 1479.1	3379.5 3490.5 3602.7 3716.1 3830.8 3946.6 4063.6 4181.7 4301.0 4421.5	9.8 14.5 5.4 20.1 30.9 20.6 10.6 8.3 27.3 19.7
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.7 665.6 675.5	4.819 4.802 4.732 4.656 4.551 4.556 4.523 4.497 4.482 4.436	4.772 4.754 4.684 4.608 4.542 4.506 4.472 4.446 4.430 4.383	34.114 34.121 34.132 34.148 34.159 34.170 34.179 34.195 34.201 34.211	26.999 27.006 27.023 27.044 27.060 27.072 27.083 27.099 27.105 27.119	29.761 29.815 29.879 29.946 30.009 30.068 30.125 30.125 30.239 30.299	26.993 27.001 27.018 27.038 27.055 27.067 27.078 27.093 27.100 27.113	111.6 110.9 109.3 107.4 105.9 104.8 103.8 102.4 101.9	12.316 12.427 12.538 12.646 12.753 12.858 12.962 13.066 13.168 13.269	90.5 90.5 90.6 90.6 90.5 90.5 90.6	1478.9 1479.0 1478.9 1478.7 1478.7 1478.7 1478.7 1478.8 1478.9	4543.0 4665.6 4789.4 4914.2 5040.0 5166.9 5294.9 5423.8 5553.8 5684.7	13.2 4.5 15.0 25.5 15.6 11.2 11.2
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5 784.4	4.400 4.372 4.348 4.325 4.302 4.274 4.267 4.241 4.219 4.190	4.346 4.318 4.293 4.270 4.246 4.218 4.210 4.183 4.160 4.131	34.219 34.231 34.240 34.250 34.257 34.267 34.272 34.289 34.298 34.310	27.129 27.141 27.152 27.161 27.170 27.180 27.185 27.201 27.211 27.224	30.355 30.414 30.471 30.526 30.581 30.638 30.688 30.751 30.806 30.865	27.123 27.136 27.146 27.155 27.164 27.174 27.179 27.195 27.205 27.217	99.8 98.6 97.7 96.9 96.1 95.2 94.8 93.3 92.5	13.369 13.469 13.567 13.664 13.760 13.856 13.951 14.045 14.138 14.230	90.5 90.6 90.5 90.5 90.5 90.5 90.4 90.4	1478.9 1479.0 1479.1 1479.1 1479.2 1479.3 1479.4 1479.5 1479.6 1479.7	5816.7 5949.6 6083.5 6218.4 6354.2 6491.0 6628.7 6767.3 6906.9 7047.3	15.0 10.9 6.8 5.9 5.1 10.0 6.8 13.9 18.3
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.8 853.7 863.6 873.5 883.4	4.149 4.123 4.093 4.076 4.044 4.024 3.996 3.996 3.935 3.914	4.089 4.062 4.032 4.013 3.982 3.961 3.932 3.898 3.870 3.848	34.320 34.331 34.342 34.348 34.357 34.363 34.371 34.379 34.386 34.392	27.236 27.248 27.260 27.266 27.277 27.284 27.293 27.302 27.311 27.318	30.924 30.982 31.040 31.093 31.150 31.203 31.258 31.314 31.369 31.422	27.230 27.242 27.253 27.260 27.270 27.277 27.286 27.296 27.304 27.311	90.2 89.2 88.1 87.5 86.6 86.0 85.2 84.3 83.5	14.321 14.410 14.499 14.587 14.674 14.760 14.846 14.931 15.015 15.098	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1479.7 1479.7 1479.8 1479.9 1479.9 1480.0 1480.1 1480.1 1480.2 1480.2	7188.7 7330.9 7474.0 7618.0 7762.8 7908.5 8055.0 8202.4 8350.6 8499.6	14.2 7.4 10.6 9.2 10.4 3.6 12.1 10.1
900.0 910.0 920.0 930.0 940.0 950.0 970.0 980.0 990.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.6 972.5 982.4	3.905 3.879 3.851 3.829 3.817 3.801 3.784 3.762 3.736 3.720	3.838 3.811 3.783 3.760 3.748 3.731 3.714 3.691 3.664 3.648	34.398 34.404 34.410 34.415 34.418 34.424 34.428 34.434 34.434	27.319 27.326 27.334 27.342 27.347 27.351 27.357 27.357 27.363 27.370 27.374	31.469 31.523 31.577 31.631 31.731 31.731 31.784 31.836 31.889 31.939	27.312 27.320 27.327 27.335 27.344 27.350 27.356 27.363 27.363	82.9 82.2 81.5 80.9 80.5 80.5 79.6 79.1 78.4 78.1	15.181 15.264 15.345 15.427 15.507 15.587 15.667 15.747 15.825 15.904	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1480.4 1480.4 1480.5 1480.6 1480.8 1480.9 1481.0 1481.0	8649.4 8800.0 8951.5 9103.7 9410.5 9565.1 9720.5 9876.7 10033.6	4 6.9 7.8 11.6 5.1 7.2 3.7 7.5 3.1 6.9

Station		Latitude				ude 128°		2	5 Aug 198	9 GMT (9:17		4350 m
Pres.	m	Temp.	Pot.T.	Sal 0/00	Sigma-6 kg/m ³		Sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht (g J/kg	LTR 0/0		m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0	992.3 1012.0 1031.8 1051.6 1071.4 1091.1 1110.9 1130.7 1150.4 1170.2	3.695 3.670 3.623 3.592 3.536 3.500 3.461 3.412 3.364 3.334	3.621 3.595 3.547 3.515 3.458 3.420 3.380 3.280 3.280 3.249	34.440 34.454 34.453 34.463 34.478 34.486 34.493 34.499 34.503	27.379 27.387 27.398 27.408 27.419 27.439 27.450 27.459 27.465	31.990 32.090 32.193 32.295 32.399 32.501 32.603 32.707 32.809 32.907	27.372 27.379 27.390 27.400 27.411 27.421 27.431 27.442 27.451 27.457	77.7 77.0 76.1 75.2 74.2 73.4 72.5 71.5 70.6 70.2	15.981 16.136 16.290 16.441 16.590 16.788 17.028 17.170 17.311	90.4 90.5 90.5 90.4 90.4 90.4	1481.2 1481.4 1481.6 1481.8 1482.1 1482.3 1482.4 1482.5 1482.7	10191.3 10508.9 10829.6 11153.2 11479.8 11809.3 12141.6 12476.8 12476.8 13155.5	6.6 1.7 8.7 2.6 3.8 2.3 5.0
1200.0 1220.0 1240.0 1260.0 1300.0 1300.0 1340.0 1360.0	1190.0 1209.7 1229.5 1249.2 1269.0 1288.7 1308.5 1328.2 1348.0 1367.7	3.293 3.251 3.213 3.183 3.170 3.130 3.104 3.072 3.022 2.985	3.207 3.164 3.124 3.093 3.078 3.037 3.010 2.976 2.925 2.887	34.508 34.513 34.519 34.521 34.530 34.540 34.545 34.547 34.548	27.473 27.481 27.490 27.494 27.503 27.517 27.524 27.531 27.535	33.007 33.107 33.208 33.304 33.404 33.503 33.603 33.702 33.800 33.897	27.465 27.473 27.482 27.486 27.494 27.501 27.508 27.516 27.522 27.526	69.4 68.7 67.9 67.6 66.3 65.7 65.0 64.4	17.450 17.588 17.725 17.860 17.995 18.128 18.260 18.391 18.520 18.648	90.5 90.4 90.4 90.5 90.5 90.5 90.4	1482.9 1483.1 1483.2 1483.4 1483.7 1483.9 1484.3 1484.4 1484.6	13499.0 13845.2 14194.0 14545.5 14899.7 15256.4 15615.7 15977.6 16342.0 16709.0	1.8 2.5 2.7 6.7 2.8 31.8
1400.0 1420.0 1440.0 1460.0 1500.0 1500.0 1540.0 1560.0	1387.5 1407.2 1426.9 1446.7 1466.4 1486.2 1505.9 1525.6 1545.3 1565.1	2.919 2.898 2.849 2.810 2.773 2.742 2.713 2.687 2.660 2.631	2.820 2.798 2.748 2.707 2.669 2.637 2.607 2.579 2.551 2.520	34.550 34.555 34.556 34.560 34.563 34.568 34.570 34.573 34.573	27.542 27.548 27.553 27.566 27.566 27.571 27.575 27.580 27.584 27.589	33.997 34.095 34.193 34.292 34.390 34.487 34.583 34.679 34.775 34.872	27.533 27.539 27.544 27.551 27.557 27.562 27.566 27.570 27.575 27.580	63.3 62.8 62.3 61.6 61.1 60.6 60.3 59.9 59.5	18.776 18.902 19.027 19.151 19.274 19.395 19.516 19.756 19.874	90.5 90.4 90.4 90.5 90.4 90.4 90.4	1484.7 1484.9 1485.0 1485.2 1485.4 1485.8 1486.0 1486.2 1486.5	17078.4 17450.3 17824.6 18201.3 18580.5 18962.0 19345.9 19732.1 20120.6 20511.4	5.1 2.5 4.5 3.6 1.3 1.3 1.9 2.0 2.5
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.5 1624.2 1643.9 1663.7 1683.4 1703.1 1722.8 1742.5 1762.2	2.595 2.556 2.532 2.503 2.476 2.445 2.382 2.380 2.344	2.484 2.443 2.418 2.388 2.359 2.327 2.301 2.261 2.239 2.221	34.579 34.582 34.584 34.587 34.589 34.593 34.593 34.598 34.600	27.594 27.600 27.604 27.609 27.613 27.618 27.621 27.628 27.630 27.633	34.970 35.067 35.163 35.260 35.356 35.452 35.547 35.646 35.740 35.834	27.585 27.590 27.594 27.600 27.603 27.608 27.611 27.617 27.620 27.623	58.5 58.0 57.6 57.1 56.7 56.3 56.0 55.4 55.1	19.992 20.108 20.223 20.338 20.452 20.565 20.677 20.789 20.899 21.009	90.4 90.5 90.4 90.4 90.4 90.4 90.4 90.4	1486.6 1486.8 1487.0 1487.2 1487.5 1487.9 1488.1 1488.3 1488.6	20904.6 21300.0 21697.6 22097.5 22499.6 22903.9 23310.3 23719.0 24129.7 24542.7	2.0 1.7 1.4 .0 .6 1.4 5.9 3.5 2.1
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1919.8 1939.5 1959.1	2.316 2.289 2.263 2.229 2.203 2.195 2.183 2.151 2.134 2.117	2.191 2.164 2.135 2.101 2.073 2.064 2.050 2.017 1.999 1.980	34.604 34.606 34.609 34.612 34.615 34.616 34.619 34.620 34.622	27.639 27.643 27.653 27.656 27.658 27.666 27.665 27.668 27.668	35.931 36.027 36.123 36.220 36.316 36.408 36.500 36.598 36.691 36.785	27.628 27.633 27.637 27.642 27.646 27.647 27.649 27.654 27.657 27.659	54.4 53.9 53.5 52.6 52.5 52.4 51.8 51.4	21.118 21.227 21.334 21.441 21.546 21.651 21.756 21.861 21.964 22.067	90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4	1488.8 1489.0 1489.2 1489.4 1489.7 1490.2 1490.2 1490.7 1491.0	24957.7 25374.8 25794.0 26215.3 26638.7 27064.0 27491.4 27920.8 28352.2 28785.6	2.1 5.9 1.0 1.3 1.6 4.3 2.8
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2300.0 2350.0 2400.0 2450.0	1978.8 2028.0 2077.2 2126.4 2175.6 2224.7 2273.9 2323.0 2372.1 2421.2	2.098 2.055 2.014 1.976 1.941 1.906 1.873 1.845 1.821 1.797	1.960 1.913 1.868 1.827 1.788 1.749 1.712 1.681 1.652	34.624 34.629 34.633 34.637 34.640 34.644 34.647 34.650 34.652	27.674 27.681 27.688 27.694 27.700 27.706 27.711 27.716 27.720 27.724	36.879 37.114 37.348 37.581 37.813 38.045 38.277 38.507 38.736 38.965	27.663 27.670 27.677 27.683 27.688 27.694 27.699 27.703 27.707 27.711	51.1 50.4 49.8 49.3 48.8 47.8 47.5 47.1	22.170 22.423 22.674 22.922 23.167 23.410 23.650 23.888 24.124 24.359	90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4	1491.2 1491.9 1492.5 1493.2 1493.9 1495.3 1496.0 1496.8 1497.5	29221.0 30318.1 31427.3 32548.5 33681.5 34826.3 35982.7 37150.5 38329.8 39520.3	2.2 1.7 1.7 .3 .9 .4 4.2 1.1
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2850.0 2900.0 2950.0	2470.3 2519.4 2568.5 2617.6 2666.6 2715.7 2764.7 2813.7 2862.7 2911.7	1.776 1.758 1.739 1.712 1.692 1.669 1.651 1.635 1.622	1.599 1.577 1.554 1.523 1.499 1.472 1.450 1.430 1.412 1.394	34.657 34.659 34.660 34.664 34.665 34.669 34.669 34.669 34.671 34.672	27.727 27.730 27.734 27.738 27.741 27.745 27.748 27.750 27.753 27.755	39.193 39.421 39.648 39.878 40.104 40.332 40.5558 40.783 41.008 41.232	27.714 27.717 27.720 27.725 27.727 27.730 27.733 27.735 27.737 27.737	46.6 46.2 45.8 45.6 45.3 45.1 45.0 44.8	24.593 24.825 25.056 25.286 25.515 25.742 25.968 26.417 26.641	90.4 90.4 90.4 90.4 90.4 90.3 90.4 90.4	1498.3 1499.0 1499.8 1500.5 1501.3 1502.8 1503.6 1504.4 1505.2	40722.1 41935.0 43159.0 44394.1 45640.1 46897.0 48164.7 49443.2 50732.4 52032.3	.0 1.3 1.9 1.1 1.4 1.1 1.2
3000.0 3050.0 3150.0 3250.0 3250.0 3350.0 3400.0 3450.0	2960.7 3009.7 3058.6 3107.6 3156.6 3205.5 3254.4 3303.3 3352.2 3401.1	1.595 1.583 1.570 1.558 1.5551 1.541 1.530 1.522 1.519	1.376 1.360 1.342 1.325 1.314 1.299 1.283 1.270 1.262 1.249	34.674 34.674 34.676 34.678 34.679 34.680 34.682 34.683 34.683	27.758 27.759 27.762 27.764 27.766 27.768 27.771 27.772 27.773 27.773	41.458 41.681 41.905 42.129 42.352 42.574 42.798 43.020 43.240 43.461	27.742 27.743 27.746 27.748 27.749 27.750 27.753 27.754 27.755 27.756	44.5 44.3 44.1 44.1 44.1 43.9 43.9 43.9	26.865 27.087 27.309 27.530 27.751 27.971 28.191 28.411 28.630 28.849	90.3 90.3 90.4 90.3 90.3 90.3 90.3	1506.0 1506.8 1507.6 1508.4 1509.2 1510.0 1510.8 1511.6 1512.5 1513.3	53342.9 54664.0 55995.8 57338.1 58690.9 60054.1 61427.9 62812.1 64206.7 65611.7	4.0 7 8 3 3 1.0 4 5
3500.0 3550.0 3600.0 3650.0 3750.0 3800.0 3850.0 3900.0 3950.0	3450.0 3498.8 3547.7 3596.5 3645.4 3694.2 3743.0 3791.8 3840.6 3889.4	1.509 1.501 1.500 1.500 1.500 1.501 1.498 1.500 1.500	1.242 1.230 1.224 1.218 1.213 1.208 1.201 1.197 1.192 1.189	34.685 34.688 34.688 34.689 34.689 34.691 34.691 34.691 34.692	27.776 27.778 27.779 27.780 27.781 27.782 27.783 27.783 27.783	43.681 43.903 44.122 44.341 44.560 44.778 44.998 45.215 45.433 45.649	27.757 27.759 27.760 27.760 27.761 27.761 27.762 27.762 27.763 27.763	43.9 43.9 44.0 44.1 44.2 44.2 44.4 44.4	29.069 29.288 29.507 29.727 29.947 30.167 30.388 30.610 30.832 31.055	90.3 90.4 90.3 90.3 90.3 90.3 90.3	1514.1 1515.0 1515.8 1516.7 1517.5 1518.4 1519.2 1520.1 1521.0 1521.8	67027.2 68453.0 69889.2 71335.8 72792.9 74260.3 75738.3 777226.7 78725.6 80235.0	6 5 -1.3 4 -2.1 3 5 5
4000.0 4050.0 4100.0 4150.0 4200.0 4250.0 4350.0 4370.0	3938.2 3986.9 4035.7 4084.4 4133.1 4181.9 4230.5 4279.3 4298.7	1.504 1.507 1.510 1.513 1.516 1.520 1.525 1.530 1.531	1.185 1.182 1.180 1.177 1.174 1.173 1.172 1.171 1.170	34.693 34.692 34.693 34.693 34.693 34.694 34.694	27.786 27.786 27.786 27.787 27.787 27.787 27.788 27.788 27.788	46.299 46.515 46.731	27.763 27.763 27.763 27.763 27.763 27.763 27.763 27.763 27.762 27.762	44.7 44.8 45.1 45.2 45.3 45.6 45.7 46.0 46.0	31.278 31.502 31.727 31.952 32.179 32.406 32.634 32.863 32.955	90.3 90.3 90.3 90.3 90.3 90.2 90.2	1522.7 1523.6 1524.4 1525.3 1526.2 1527.1 1528.0 1528.9 1529.2	81755.0 83285.6 84826.7 86378.5 87941.0 89514.2 91098.1 92692.8 93333.8	-1.0 6 -6 -1.1 2 2.5 6

Station	31	Latitude	32° 05.	82'N	Longit	ude 128°	16.92'W	25	Aug 1989	GMT 1	4:23	Bottom	
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	.0 10.0 19.9 29.9 39.9 49.8 59.8 79.7 89.7	19.722 19.719 19.724 19.728 19.883 19.854 17.999 17.264 17.130	19.722 19.717 19.720 19.722 19.876 19.845 19.537 17.987 17.251 17.115	33.707 33.707 33.707 33.709 33.877 33.890 33.930 33.997 33.999 34.139	23.849 23.851 23.851 23.851 23.939 23.957 24.067 24.508 24.687 24.827	23.849 23.894 23.937 23.981 24.112 24.173 24.327 24.813 25.037 25.221	23.849 23.850 23.849 23.849 23.937 23.954 24.064 24.505 24.684 24.824	404.4 404.7 405.1 405.4 397.4 396.1 385.9 344.1 327.3 314.3	.000 .405 .809 1.215 1.618 2.014 2.408 2.772 3.107 3.428	89.8 89.8 89.8 89.8 89.8 89.9 89.8	1519.8 1520.0 1520.2 1520.4 1521.1 1521.2 1520.6 1516.4 1514.4	2.0 8.1 18.2 32.3 50.4 72.4 98.3 127.6 160.1	3.1 36.1 12.4 340.0 185.8 118.0 120.4
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	17.048 16.699 16.472 15.562 13.563 13.107 12.370 11.755 10.990	17.031 16.681 16.452 15.542 14.340 13.542 13.085 12.348 11.732 10.967	34.261 34.294 34.325 34.202 34.003 33.873 33.813 33.776 33.740	24.941 25.049 25.125 25.238 25.346 25.411 25.488 25.601 25.689 25.801	25.377 25.529 25.650 25.809 25.965 26.076 26.198 26.359 26.493 26.653	24.937 25.044 25.121 25.234 25.342 25.407 25.483 25.597 25.685 25.796	303.8 293.9 286.9 276.2 266.0 259.9 252.8 242.0 233.8 223.1	3.737 4.036 4.326 4.608 4.878 5.141 5.397 5.645 5.645 6.112	90.0 90.1 90.3 90.4 90.5 90.6 90.6	1514.4 1513.6 1513.1 1510.3 1506.4 1503.8 1502.4 1500.0 1498.0 1495.4	195.8 234.5 276.1 320.6 367.8 417.7 470.1 525.0 582.4 642.0	100.8 62.9 94.2 182.8 98.6 78.5 89.8 116.4 70.9 87.4
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.0 229.0 238.9 248.9 258.8 268.7 278.7 288.6	10.290 9.975 9.634 9.541 9.249 9.004 8.781 8.566 8.441 8.278	10.266 9.951 9.610 9.516 9.223 8.977 8.754 8.538 8.412 8.249	33.728 33.794 33.845 33.868 33.897 33.917 33.943 33.958 33.966 33.986	25.914 26.019 26.116 26.149 26.220 26.275 26.330 26.375 26.400 26.441	26.813 26.965 27.108 27.187 27.304 27.405 27.507 27.598 27.670 27.757	25.910 26.015 26.112 26.145 26.215 26.270 26.325 26.370 26.396 26.436	212.3 202.4 193.3 190.3 183.7 173.5 169.3 166.9 163.2	6.331 6.735 6.735 6.927 7.113 7.294 7.470 7.642 7.810 7.975	90.8 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7	1493.1 1492.2 1491.1 1490.1 1489.4 1488.7 1488.1 1487.8 1487.8	703.9 767.8 833.8 901.7 971.5 1043.1 1116.4 1191.5 1268.2 1346.6	164.6 78.1 99.7 84.2 37.3 58.9 4.1 58.0 46.5 44.8
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.3 348.2 358.1 368.0 378.0 387.9	8.111 8.065 7.914 7.780 7.613 7.439 7.217 7.044 6.857 6.682	8.080 8.034 7.882 7.747 7.580 7.406 7.183 7.010 6.822 6.646	33.994 33.996 33.998 34.005 34.004 34.003 34.002 33.997 34.000 33.994	26.472 26.480 26.505 26.529 26.553 26.577 26.607 26.628 26.655 26.674	27.834 27.888 27.959 28.030 28.100 28.171 28.248 28.316 28.390 28.456	26.468 26.476 26.500 26.525 26.549 26.572 26.603 26.623 26.651 26.669	160.3 159.7 157.4 155.2 153.0 150.8 147.9 146.0 143.4 141.6	8.136 8.296 8.455 8.611 8.765 8.917 9.066 9.213 9.358 9.500	90.7 90.6 90.6 90.6 90.6 90.5 90.5	1486.9 1486.5 1486.2 1485.7 1485.7 1484.5 1483.9 1483.4 1482.8	1426.6 1508.2 1591.4 1676.2 1762.4 1850.2 1939.5 2030.2 2122.4 2216.0	9.0 23.7 15.1 22.7 16.6 23.3 22.9 28.2 40.1 18.4
400.0 410.0 420.0 430.0 440.0 450.0 470.0 480.0 490.0	397.8 407.7 417.7 427.5 437.5 447.4 457.4 467.3 477.2 487.1	6.589 6.434 6.355 6.261 6.159 6.091 6.044 6.011 5.963	6.553 6.398 6.317 6.223 6.121 6.052 6.004 5.970 5.921 5.902	33.994 34.000 34.004 34.014 34.027 34.037 34.056 34.069 34.080 34.091	26.687 26.712 26.726 26.746 26.768 26.785 26.806 26.821 26.835 26.847	28.515 28.588 28.647 28.714 28.784 28.847 28.914 28.975 29.035 29.092	26.682 26.707 26.721 26.741 26.764 26.780 26.801 26.816 26.830 26.842	140.5 138.1 136.9 135.0 132.9 131.4 129.5 128.2 126.9 125.9	9.641 9.781 9.918 10.054 10.188 10.320 10.451 10.579 10.707 10.833	90.5 90.5 90.4 90.6 90.5 90.5 90.5 90.5	1482.6 1482.2 1482.0 1481.8 1481.6 1481.5 1481.5 1481.5 1481.6	2311.0 2407.4 2505.1 2604.2 2704.7 2806.4 2909.5 3013.8 3119.4 3226.2	16.1 21.0 26.9 15.2 28.3 2.5 24.2 5.5 16.9
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 507.0 516.9 526.8 536.7 546.6 556.5 576.4 586.3	5.895 5.793 5.719 5.633 5.511 5.453 5.339 5.186 5.016	5.852 5.749 5.674 5.589 5.567 5.465 5.406 5.292 5.139 4.969	34.108 34.117 34.127 34.134 34.150 34.161 34.168 34.167 34.163 34.158	26.867 26.887 26.903 26.919 26.935 26.956 26.969 26.981 26.996 27.012	29.158 29.225 29.288 29.351 29.412 29.480 29.539 29.539 29.661 29.726	26.861 26.881 26.898 26.914 26.929 26.950 26.963 26.976 26.990 27.006	124.2 122.3 120.8 119.3 118.0 116.0 114.8 113.6 112.2 110.5	10.959 11.082 11.203 11.323 11.442 11.558 11.673 11.787 11.900 12.012	90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4	1481.6 1481.4 1481.3 1481.1 1481.2 1481.0 1480.9 1480.6 1480.1 1479.6	3334.3 3443.6 3554.1 3665.8 3778.7 3892.7 4007.9 4124.2 4241.6 4360.2	30.7 18.4 24.8 20.1 23.6 3.1 24.2 6.3 2 21.8
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0 690.0	596.2 606.1 616.0 625.9 635.8 645.7 665.6 675.5 685.4	4.892 4.857 4.796 4.745 4.598 4.559 4.506 4.482 4.435 4.384	4.845 4.808 4.747 4.696 4.549 4.509 4.456 4.431 4.384 4.332	34.159 34.157 34.166 34.169 34.172 34.178 34.192 34.206 34.217 34.228	27.027 27.028 27.043 27.051 27.069 27.078 27.095 27.110 27.123 27.138	29.788 29.836 29.897 29.952 30.019 30.137 30.138 30.258 30.319	27.021 27.023 27.038 27.046 27.064 27.073 27.090 27.104 27.117 27.132	109.1 108.9 107.6 106.8 105.0 104.2 102.6 101.4 100.1 98.8	12.122 12.230 12.339 12.446 12.552 12.657 12.760 12.862 12.963 13.063	90.4 90.4 90.4 90.5 90.4 90.4 90.4 90.5 90.3	1479.2 1479.3 1479.2 1479.1 1478.7 1478.7 1478.7 1478.8 1478.7	4479.8 4600.5 4722.2 4845.1 4968.9 5093.8 5219.8 5346.7 5474.7 5603.6	12.1 .7 14.7 20.5 16.7 14.1 5.3 15.6 8.2
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5	4.367 4.335 4.310 4.302 4.239 4.220 4.190 4.173 4.152 4.131	4.314 4.281 4.255 4.247 4.183 4.163 4.133 4.115 4.094 4.072	34.235 34.247 34.258 34.273 34.284 34.294 34.308 34.317 34.326 34.333	27.144 27.158 27.169 27.182 27.197 27.208 27.222 27.231 27.241 27.248	30.372 30.431 30.489 30.548 30.610 30.666 30.726 30.781 30.837 30.891	27.139 27.152 27.164 27.176 27.191 27.202 27.216 27.225 27.235 27.242	98.2 97.0 96.0 94.9 93.4 92.5 91.2 90.5 89.6	13.161 13.259 13.356 13.451 13.545 13.639 13.730 13.821 13.911 14.000	90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4	1478.8 1478.9 1478.9 1479.1 1479.0 1479.1 1479.2 1479.3 1479.4	5733.5 5864.4 5996.2 6129.0 6262.7 6397.3 6532.8 6669.2 6806.6 6944.7	12.6 5.3 8.3 15.6 9.4 18.5 8.9 11.2 4.8 7.4
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.117 4.091 4.067 4.047 4.029 4.010 3.986 3.986 3.930 3.904	4.057 4.031 4.005 3.985 3.966 3.947 3.922 3.901 3.864 3.838	34.344 34.351 34.365 34.365 34.374 34.380 34.388 34.397 34.402	27.258 27.267 27.277 27.282 27.287 27.293 27.301 27.309 27.320 27.327	30.947 31.002 31.058 31.110 31.160 31.213 31.267 31.321 31.378 31.431	27.252 27.260 27.271 27.276 27.280 27.287 27.295 27.303 27.314 27.320	88.1 87.3 86.4 86.0 85.6 85.1 84.6 82.6	14.089 14.177 14.264 14.350 14.436 14.521 14.606 14.773 14.855	90.3 90.3 90.4 90.3 90.4 90.4 90.3 90.4	1479.6 1479.6 1479.7 1479.8 1479.9 1480.0 1480.0 1480.1 1480.2 1480.2	7083.8 7223.7 7364.5 7506.2 7648.6 7792.0 7936.1 8081.1 8226.9 8373.5	9.5 8.3 6.0 6.3 10.9 6.3 9.2 13.9 6.6
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.6 972.5 982.3	3.886 3.860 3.836 3.810 3.802 3.768 3.748 3.716 3.688 3.667	3.819 3.793 3.768 3.742 3.733 3.698 3.677 3.644 3.616 3.595	34.408 34.413 34.421 34.427 34.430 34.438 34.438 34.443 34.447	27.334 27.340 27.349 27.357 27.360 27.368 27.372 27.379 27.385 27.392	31.485 31.537 31.592 31.646 31.694 31.749 31.800 31.853 31.905 31.958	27.327 27.333 27.342 27.350 27.353 27.361 27.365 27.372 27.378 27.378	81.4 80.9 80.1 79.4 79.2 78.1 77.5 76.9 76.3	14.937 15.018 15.099 15.178 15.258 15.337 15.415 15.493 15.570 15.647	90.3 90.3 90.4 90.3 90.3 90.3 90.3 90.3	1480.3 1480.4 1480.5 1480.5 1480.7 1480.7 1480.8 1480.8 1480.9 1480.9	8520.9 8669.1 8818.1 8967.9 9118.5 9269.8 9421.9 9574.8 9728.4	5.1 4.2 1.9 4 4.8 9.8 2.8 2.8 2.5 3.4

Station	31	Latitude	32° 05.	82'N	Longit	ude 128°	16.92'W	25	Aug 1989	GMT 1	4:23	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-θ kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht g J/kg	LTR 0/0	SV m/s	TF m ³ /s ²	$\frac{N^2}{10^6/s^2}$
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0 1120.0 1140.0 1160.0	992.3 1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.7 1150.4 1170.2	3.658 3.612 3.552 3.525 3.483 3.442 3.399 3.356 3.317 3.287	3.585 3.538 3.476 3.448 3.363 3.318 3.274 3.234 3.202	34.453 34.460 34.468 34.476 34.481 34.489 34.501 34.508 34.512	27.393 27.403 27.416 27.424 27.433 27.452 27.452 27.462 27.471 27.477	32.006 32.108 32.213 32.314 32.415 32.517 32.619 32.720 32.821 32.919	27.386 27.396 27.408 27.417 27.426 27.435 27.445 27.454 27.463 27.469	76.2 75.4 74.2 73.5 72.8 71.9 71.0 70.2 69.4	15.723 15.874 16.024 16.172 16.318 16.463 16.605 16.747 17.025	90.4 90.3 90.3 90.3 90.3 90.5 90.2 90.3 90.3	1481.1 1481.3 1481.5 1481.7 1481.8 1482.0 1482.2 1482.3 1482.5	10038.0 10350.5 10665.9 10984.3 11305.5 11629.6 11956.4 12286.1 12618.5 12953.6	2.5 3.7 9.8 6.1 7.3 4.9 2.2
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0 1380.0	1189.9 1209.7 1229.5 1249.2 1269.0 1288.7 1308.5 1328.2 1348.0 1367.7	3.237 3.198 3.170 3.129 3.102 3.067 3.032 2.998 2.967 2.929	3.151 3.111 3.081 3.039 3.011 2.975 2.939 2.903 2.871 2.831	34.514 34.519 34.523 34.529 34.530 34.534 34.538 34.542 34.546 34.550	27.483 27.491 27.497 27.506 27.509 27.515 27.522 27.528 27.534 27.541	33.019 33.119 33.216 33.318 33.413 33.511 33.610 33.708 33.806 33.905	27.475 27.483 27.489 27.498 27.500 27.507 27.514 27.520 27.525 27.532	68.3 67.6 67.2 66.3 66.1 65.6 64.4 63.9	17.162 17.298 17.433 17.568 17.700 17.832 17.962 18.092 18.220 18.347	90.3 90.3 90.3 90.3 90.3 90.3 90.4 90.3	1482.7 1482.8 1483.0 1483.2 1483.6 1483.8 1484.0 1484.2 1484.4	13291.4 13631.9 13975.0 14320.7 14669.1 15020.0 15373.5 15729.5 16088.0 16449.0	1.7 2.9 3.8 9.7 3.0 2.7 3.9 5.3 5.1
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.5 1407.2 1426.9 1446.7 1466.4 1505.9 1525.6 1545.3 1565.1	2.892 2.865 2.819 2.780 2.741 2.722 2.694 2.660 2.622 2.581	2.794 2.766 2.718 2.678 2.637 2.617 2.558 2.553 2.513 2.471	34.555 34.559 34.562 34.563 34.570 34.572 34.576 34.579 34.581	27.549 27.554 27.561 27.565 27.571 27.576 27.586 27.586 27.592 27.597	34.005 34.102 34.202 34.298 34.397 34.493 34.589 34.687 34.785 34.883	27.540 27.545 27.552 27.556 27.566 27.567 27.567 27.577 27.583 27.588	62.6 62.1 61.4 61.0 60.4 60.0 59.7 59.1 58.6 58.0	18.473 18.598 18.721 18.844 18.965 19.085 19.205 19.324 19.442	90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3	1484.6 1484.8 1484.9 1485.1 1485.5 1485.7 1485.7 1486.1 1486.2	16812.4 17178.3 17546.6 17917.3 18290.4 18665.8 19043.6 19423.6 19806.0 20190.6	3.9 1.6 1.3 3.3 4.5 2.8 7 1.6 5.5
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.5 1624.2 1643.9 1663.7 1673.1 1703.1 1722.8 1742.5 1762.2	2.564 2.533 2.516 2.480 2.448 2.432 2.408 2.369 2.353 2.329	2.452 2.421 2.402 2.365 2.315 2.289 2.249 2.232 2.205	34.584 34.588 34.590 34.592 34.598 34.599 34.602 34.604	27.602 27.605 27.609 27.614 27.618 27.622 27.626 27.630 27.634 27.638	34.978 35.074 35.168 35.265 35.362 35.457 35.553 35.649 35.744 35.839	27.592 27.596 27.599 27.604 27.608 27.612 27.616 27.621 27.621 27.624 27.627	57.7 57.4 57.1 56.6 56.2 55.8 55.0 54.4	19.674 19.789 19.903 20.017 20.130 20.242 20.353 20.463 20.573 20.682	90.3 90.3 90.3 90.3 90.2 90.2 90.2 90.3 90.3	1486.5 1486.7 1487.0 1487.2 1487.3 1487.6 1487.9 1488.0 1488.3 1488.5	20577.5 20966.6 21357.9 21751.5 22147.2 22545.2 22945.3 23347.5 23751.8 24158.3	3.4 4.6 2.6 1.1 1.4 3.5 2.0 2.6 2.9 2.7
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1919.8 1939.5 1959.2	2.309 2.299 2.269 2.244 2.215 2.178 2.178 2.170 2.136 2.115	2.185 2.173 2.142 2.115 2.085 2.064 2.046 2.036 2.000 1.979	34.606 34.609 34.610 34.613 34.615 34.617 34.618 34.620 34.621 34.621	27.642 27.645 27.648 27.653 27.656 27.659 27.662 27.664 27.669 27.671	35.934 36.028 36.123 36.219 36.315 36.409 36.503 36.596 36.692 36.785	27.631 27.634 27.638 27.642 27.646 27.649 27.652 27.653 27.658 27.660	54.1 53.8 53.5 53.1 52.7 52.4 52.0 51.6	20.791 20.899 21.006 21.113 21.218 21.323 21.428 21.532 21.636 21.739	90.2 90.3 90.2 90.3 90.3 90.2 90.3 90.2 90.4	1488.8 1489.1 1489.3 1489.5 1489.7 1490.2 1490.2 1490.7 1490.7	24566.9 24977.6 25390.4 25805.2 26222.1 26641.0 27061.9 27484.8 27909.8 28336.8	5.0 1.8 1.8 3.3 1.0 3.1 5.7 2.8
2000.0 2050.0 2100.0 2150.0 2200.0 2350.0 2350.0 2400.0 2450.0	1978.8 2028.0 2077.2 2126.4 2175.6 2224.7 2273.9 2323.0 2372.1 2421.3	2.100 2.044 2.004 1.974 1.939 1.911 1.876 1.850 1.821 1.799	1.962 1.903 1.859 1.825 1.786 1.754 1.716 1.686 1.653 1.627	34.625 34.632 34.637 34.640 34.643 34.646 34.648 34.651 34.651	27.674 27.682 27.688 27.694 27.700 27.705 27.710 27.714 27.719 27.723	36.879 37.115 37.349 37.581 37.813 38.044 38.275 38.505 38.736 38.964	27.663 27.670 27.677 27.683 27.688 27.692 27.698 27.702 27.706 27.710	51.1 50.3 49.8 49.3 48.8 48.5 48.6 47.6 47.2	21.841 22.095 22.345 22.593 22.838 23.081 23.322 23.561 23.798 24.033	90.2 90.2 90.2 90.2 90.3 90.2 90.2 90.2 90.2	1491.2 1491.8 1492.5 1493.2 1493.2 1493.6 1495.3 1496.1 1496.8 1497.5	28765.7 29846.6 30939.6 32044.7 33161.6 34290.2 35430.4 36582.2 37745.4 38919.9	2.5 2.6 2.6 2.7 1.3
2500.0 2550.0 2600.0 2650.0 2750.0 2850.0 2850.0 2900.0	2470.4 2519.4 2568.5 2617.6 2666.6 27 2764.7 2813.7 2862.8 2911.7	1.773 1.750 1.728 1.707 1.686 1.670 1.653 1.640 1.625	1.597 1.570 1.543 1.518 1.493 1.472 1.452 1.455 1.415	34.655 34.658 34.659 34.662 34.664 34.665 34.667 34.668 34.670	27.727 27.730 27.734 27.738 27.741 27.744 27.747 27.749 27.751 27.754	39.193 39.422 39.649 39.877 40.104 40.330 40.557 40.781 41.007 41.231	27.713 27.717 27.720 27.724 27.727 27.729 27.732 27.734 27.736 27.738	46.6 46.3 46.1 45.8 45.6 45.2 45.1 44.9	24.267 24.499 24.730 24.960 25.188 25.416 25.642 25.868 26.093 26.317	90.3 90.3 90.3 90.3 90.2 90.3 90.2 90.3 90.2	1498.3 1499.0 1499.8 1500.5 1501.3 1502.0 1502.8 1503.6 1504.4 1505.2	40105.7 41302.6 42510.6 43729.7 44959.7 46200.6 47452.4 48714.9 49988.2 51272.3	.3 8 1.3 .4 .2 4 3 .9
3000.0 3050.0 3100.0 3108.0	2960.7 3009.7 3058.7 3066.5	1.596 1.588 1.577 1.576	1.377 1.364 1.348 1.346	34.673 34.674 34.675 34.674	27.756 27.758 27.760 27.760	41.456 41.679 41.903 41.938	27.740 27.742 27.744 27.743	44.6 44.6 44.5 44.6	26.541 26.764 26.987 27.022	90.2 90.2 90.2 90.2	1506.0 1506.8 1507.6 1507.7	52567.0 53872.3 55188.3 55399.9	2.5 -1.3 1.7

Station	32	Latitude	31° 52.	31'N	Longit	ude 128°	24.98'W	25	Aug 1989	GMT 1	7:38	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m3/s2	N ² 10 ⁶ /s ²
20.0 20.0 30.0 40.0 50.0 70.0 80.0	.0 10.0 19.9 29.9 39.9 49.8 59.8 69.8 79.7	19.883 19.888 19.888 19.962 19.918 18.838 18.139 17.191 16.780	19.883 19.887 19.879 19.882 19.955 19.909 18.827 18.127 17.178 16.766	33.762 33.762 33.769 33.769 33.939 34.025 34.025 34.008 33.907 33.939	23.849 23.848 23.855 23.966 23.982 24.320 24.635 24.756	23.849 23.892 23.937 23.985 24.139 24.198 24.581 24.787 24.787 25.150	23.849 23.848 23.854 23.964 23.960 24.318 24.479 24.632 24.753	404.4 404.9 405.1 405.0 394.8 393.6 361.7 346.5 332.3 321.0	.000 .405 .810 1.215 1.612 2.007 2.391 2.743 3.081 3.407	90.0 89.9 89.9 89.9 89.8 89.8 89.8	1520.4 1520.5 1520.9 1521.4 1521.5 1518.9 1514.1 1513.1	.0 2.0 8.1 18.2 32.3 50.3 72.2 97.8 126.9 159.2	-1.1 1.6 80.0 14.2 243.6 163.3 64.1 105.7
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	16.556 16.405 16.830 16.652 14.638 13.916 13.400 12.715 12.135	16.540 16.387 16.810 16.631 15.213 14.616 13.894 13.377 12.691 12.111	33.961 34.046 34.295 34.331 34.141 34.004 33.950 33.887 33.831	24.825 24.926 25.019 25.089 25.264 25.320 25.440 25.504 25.592 25.661	25.263 25.408 25.544 25.657 25.880 25.982 26.148 26.393 26.508	24.822 24.922 25.014 25.083 25.260 25.315 25.435 25.500 25.587 25.656	314.7 305.4 297.0 290.7 274.0 268.9 257.6 251.5 243.3 236.8	3.723 4.032 4.333 4.627 4.911 5.182 5.445 5.699 5.945 6.186	90.0 90.1 90.0 90.4 90.5 90.6 90.6 90.7	1512.6 1512.4 1514.1 1513.8 1509.4 1507.5 1505.3 1503.7 1501.4 1499.6	194.7 233.3 274.9 319.5 367.0 417.2 470.1 525.5 583.5 643.8	101.5 101.2 97.5 47.1 236.9 70.8 81.8 135.0 2.8 116.6
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.1 229.0 238.9 248.9 258.8 268.8 278.7 288.6	11.396 11.053 10.152 9.999 9.784 9.504 9.329 9.184 8.981 8.725	11.371 11.027 10.127 9.973 9.757 9.476 9.300 9.155 8.951 8.694	33.772 33.745 33.743 33.768 33.826 33.908 33.942 33.968 33.978 33.973	25.753 25.794 25.949 25.995 26.076 26.187 26.242 26.286 26.326 26.362	26.648 26.735 26.940 27.031 27.159 27.315 27.416 27.505 27.592 27.675	25.748 25.789 25.945 25.991 26.072 26.182 26.237 26.281 26.321 26.358	228.0 224.2 209.3 205.1 197.5 187.2 182.1 178.1 174.3 170.9	6.419 6.645 6.863 7.070 7.271 7.462 7.648 7.828 8.004 8.177	90.7 90.8 90.8 90.8 90.8 90.7 90.7	1497.1 1496.0 1492.9 1492.5 1492.0 1491.2 1490.8 1490.4 1489.9 1489.1	706.5 771.4 838.6 907.8 979.1 1052.3 1127.4 1204.3 1282.9 1363.3	114.7 54.3 166.0 48.9 84.9 51.1 84.2 49.1 39.9
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.3 348.2 358.1 368.1 378.0 387.9	8.512 8.288 8.146 7.967 7.558 7.454 7.258 7.058 6.946	8.481 8.256 8.114 7.934 7.633 7.524 7.420 7.222 7.022 6.909	33.980 33.992 34.011 34.016 34.006 34.006 33.999 33.998 33.998	26.401 26.445 26.480 26.511 26.548 26.563 26.567 26.600 26.627 26.642	27.760 27.851 27.933 28.010 28.094 28.156 28.216 28.285 28.360 28.422	26.396 26.440 26.475 26.506 26.543 26.558 26.572 26.594 26.622 26.637	167.3 163.2 159.9 157.1 153.5 152.2 148.8 146.3 144.9	8.346 8.511 8.672 8.831 8.986 9.138 9.290 9.587 9.733	90.7 90.7 90.7 90.7 90.6 90.6 90.5 90.5	1488.4 1487.8 1487.4 1486.9 1485.6 1485.6 1484.8 1484.2 1483.9	1445.4 1529.1 1614.4 1701.4 1789.8 1879.8 1971.3 2064.3 2158.7 2254.6	35.2 49.8 50.6 23.4 23.0 9.2 33.2 8.3 18.2
400.0 410.0 420.0 430.0 440.0 450.0 470.0 480.0 490.0	397.8 407.8 417.7 427.6 437.5 447.5 457.4 467.3 477.2 487.1	6.756 6.614 6.449 6.309 6.127 6.029 5.834 5.748 5.687	6.719 6.576 6.411 6.271 6.089 5.990 5.794 5.708 5.647 5.584	33.997 33.996 33.999 34.012 34.015 34.015 34.035 34.053	26.667 26.685 26.709 26.761 26.776 26.800 26.826 26.848 26.856	28.494 28.559 28.630 28.705 28.777 28.838 28.910 28.983 29.051 29.106	26.662 26.680 26.704 26.732 26.756 26.771 26.795 26.821 26.844 26.852	142.5 140.8 138.5 135.8 133.6 132.2 129.8 127.4 125.4 124.7	9.876 10.018 10.158 10.295 10.430 10.563 10.694 10.823 10.949 11.074	90.5 90.4 90.3 90.3 90.3 90.3 90.3	1483.3 1482.9 1482.4 1482.0 1481.5 1480.6 1480.4 1480.4 1480.3	2351.9 2450.7 2550.8 2652.3 2755.1 2859.3 2964.7 3071.5 3179.4 3288.7	9.7 19.9 19.9 31.3 16.6 16.6 37.1 36.5 10.4
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.1 507.0 516.9 526.8 536.7 556.6 566.5 576.4 586.3	5.459 5.408 5.343 5.283 5.205 5.044 4.960 4.894 4.850 4.751	5.418 5.366 5.300 5.240 5.161 5.000 4.916 4.849 4.805 4.705	34.052 34.059 34.069 34.071 34.083 34.082 34.095 34.108 34.125 34.124	26.875 26.887 26.902 26.911 26.929 26.948 26.967 26.986 27.003 27.014	29.172 29.230 29.292 29.348 29.413 29.479 29.545 29.610 29.674 29.732	26.870 26.882 26.897 26.906 26.924 26.962 26.962 26.980 26.999 27.009	122.8 121.8 120.4 119.6 117.9 116.1 114.2 112.6 110.9 109.9	11.198 11.320 11.441 11.561 11.680 11.797 11.913 12.026 12.138 12.248	90.3 90.2 90.3 90.3 90.3 90.4 90.4 90.3	1479.8 1479.8 1479.7 1479.6 1479.4 1478.9 1478.8 1478.7 1478.7	3399.1 3510.8 3623.7 3737.8 3853.0 3969.4 4087.0 4205.6 4325.4 4446.3	18.3 9.5 12.1 13.6 15.9 15.0 15.3 29.6 17.6
600.0 610.0 620.0 630.0 640.0 650.0 670.0 680.0 690.0	596.2 606.1 616.0 626.0 635.8 655.7 665.6 675.5 685.4	4.708 4.650 4.614 4.581 4.513 4.474 4.27 4.400 4.372	4.661 4.603 4.566 4.533 4.475 4.463 4.424 4.376 4.348 4.319	34.141 34.153 34.166 34.175 34.185 34.198 34.205 34.215 34.222 34.236	27.033 27.048 27.063 27.074 27.088 27.100 27.109 27.122 27.131 27.145	29.797 29.859 29.920 29.978 30.038 30.096 30.152 30.211 30.266 30.327	27.028 27.043 27.057 27.069 27.082 27.094 27.104 27.117 27.125 27.140	108.2 106.8 105.5 104.4 103.2 102.2 101.3 100.1 99.3 98.0	12.357 12.465 12.571 12.676 12.780 12.882 12.984 13.084 13.184 13.283	90.4 90.3 90.3 90.3 90.3 90.4 90.4 90.4	1478.5 1478.4 1478.4 1478.5 1478.4 1478.5 1478.6 1478.5 1478.7	4568.3 4691.3 4815.4 4940.5 5066.6 5193.8 5321.9 5451.1 5581.2 5712.3	10.0 10.9 9.7 7.6 15.5 12.3 13.8 12.3
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 735.0 744.8 754.8 764.7 774.6 784.5	4.346 4.329 4.296 4.275 4.237 4.207 4.194 4.169 4.146 4.132	4.293 4.275 4.242 4.220 4.181 4.150 4.137 4.111 4.088 4.073	34.248 34.256 34.268 34.275 34.286 34.295 34.303 34.313 34.324 34.329	27.158 27.165 27.179 27.187 27.199 27.209 27.218 27.228 27.239 27.244	30.385 30.439 30.499 30.553 30.612 30.668 30.722 30.779 30.836 30.888	27.152 27.160 27.173 27.181 27.194 27.204 27.212 27.222 27.233 27.238	96.9 96.3 95.1 94.4 93.2 92.3 91.6 90.7 89.7	13.380 13.477 13.572 13.667 13.761 13.854 13.946 14.037 14.127	90.3 90.4 90.5 90.4 90.3 90.3 90.3 90.3	1478.7 1478.8 1478.9 1479.0 1479.0 1479.2 1479.2 1479.3 1479.4	5844.4 5977.5 6111.4 6246.3 6382.2 6518.9 6656.6 6795.2 6934.6 7074.9	8.2 8.5 8.0 13.2 9.1 3.9 13.2 2.1 14.4 4.5
800.0 810.0 820.0 830.0 840.0 850.0 860.0 880.0	794.4 804.3 814.2 824.1 834.0 843.9 853.8 863.7 873.6 883.5	4.115 4.092 4.075 4.031 4.002 3.975 3.951 3.931 3.914	4.055 4.031 4.014 3.991 3.969 3.938 3.911 3.886 3.866 3.848	34.334 34.345 34.353 34.360 34.367 34.375 34.383 34.389 34.389 34.395	27.251 27.262 27.270 27.278 27.286 27.295 27.304 27.312 27.319 27.325	30.940 30.996 31.051 31.106 31.159 31.215 31.270 31.324 31.377 31.429	27.244 27.255 27.263 27.272 27.279 27.289 27.298 27.306 27.312 27.319	88.8 87.8 87.1 86.3 85.7 84.1 83.3 82.8	14.306 14.394 14.481 14.568 14.654 14.739 14.824 14.908 14.991 15.073	90.4 90.3 90.3 90.3 90.3 90.3 90.3 90.3	1479.5 1479.6 1479.7 1479.8 1479.9 1479.9 1480.0 1480.1 1480.2 1480.3	7216.1 7358.2 7501.2 7645.0 7789.6 7935.1 8081.4 8228.5 8376.5 8525.3	5.4 17.7 9.2 6.3 11.5 8.0 12.7 10.4 7.2 12.1
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0 990.0	893.3 903.3 913.1 923.0 932.9 942.8 952.7 962.6 972.5 982.4	3.886 3.859 3.831 3.808 3.771 3.749 3.724 3.679 3.673	3.819 3.792 3.763 3.740 3.702 3.680 3.654 3.628 3.601 3.580	34.409 34.416 34.421 34.427 34.432 34.437 34.441 34.447 34.452 34.456	27.334 27.343 27.350 27.357 27.365 27.371 27.377 27.384 27.391 27.396	31.485 31.540 31.593 31.646 31.701 31.752 31.805 31.858 31.911 31.963	27.327 27.336 27.343 27.350 27.358 27.364 27.370 27.377 27.383 27.389	81.4 80.6 80.0 79.4 78.6 78.2 77.6 77.0 76.4 75.9	15.155 15.236 15.316 15.396 15.475 15.554 15.631 15.709 15.785 15.861	90.3 90.4 90.3 90.3 90.3 90.4 90.3	1480.3 1480.4 1480.4 1480.5 1480.5 1480.6 1480.7 1480.7 1480.8 1480.9	8674.8 8825.2 8976.4 9128.3 9281.0 9434.5 9588.8 9743.8 9743.8 10056.1	9.8 9.5 11.6 6.6 7.2 10.1 12.2 10.4 9.2 6.9

Station	32	Latitude	31. 52.	31'N	Longit	ude 128°	24.98'W	25	Aug 1989	GMT 1	7:38	Bottom	4425 m
Pres.	Depth	Temp.	Pot.T.	Sal	Sigma-0		Sigma-t	Delta	Dyn.Ht	LTR	sv	TF m ³ /s ²	N ²
d b	m	•c	•c	0/00	kg/m ³	kg/m ³	kg/m ³	10 ⁸ m ³ /k	-	0/0	m/s		10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0	992.3 1012.1 1031.8 1051.6 1071.4 1091.2	3.627 3.586 3.544 3.502 3.464 3.431	3.555 3.511 3.469 3.425 3.386 3.351	34.461 34.467 34.475 34.481 34.489 34.494	27.402 27.412 27.422 27.431 27.441 27.448	32.015 32.117 32.219 32.321 32.423 32.522	27.395 27.404 27.414 27.424 27.433 27.440	75.3 74.5 73.6 72.8 72.0 71.4	15.937 16.087 16.235 16.381 16.526 16.670	90.3 90.4 90.3 90.4 90.3 90.3	1480.9 1481.1 1481.3 1481.4 1481.6 1481.8	10213.3 10530.1 10849.7 11172.2 11497.6 11825.8	6.0 2.2 3.1 4.6 3.1 4.6
1120.0 1140.0 1160.0 1180.0	1110.9 1130.7 1150.5 1170.2	3.385 3.355 3.317 3.282	3.305 3.273 3.234 3.197	34.500 34.504 34.511 34.515	27.457 27.464 27.473 27.480	32.624 32.722 32.824 32.923	27.450 27.456 27.465 27.472	70.5 70.0 69.2 68.6	16.812 16.952 17.091 17.229	90.4 90.3 90.3 90.4	1482.0 1482.2 1482.3 1482.5	12156.7 12490.5 12826.9 13166.1	4.3 1.4 .5 4.1
1200.0 1220.0 1240.0 1260.0 1300.0 1300.0 1340.0 1360.0 1380.0	1190.0 1209.8 1229.5 1249.3 1269.0 1288.8 1308.5 1328.3 1348.0 1367.8	3.238 3.215 3.152 3.093 3.054 3.016 2.985 2.985 2.925 2.896	3.152 3.128 3.064 3.004 2.964 2.925 2.892 2.856 2.829 2.799	34.520 34.527 34.531 34.533 34.535 34.540 34.543 34.547 34.549 34.555	27.487 27.496 27.504 27.513 27.517 27.524 27.530 27.536 27.541 27.548	33.023 33.123 33.225 33.325 33.422 33.522 33.522 33.620 33.718 33.814 33.913	27.479 27.488 27.497 27.504 27.509 27.516 27.522 27.528 27.532	68.0 67.2 66.4 65.2 64.1 63.2 63.2	17.366 17.501 17.635 17.767 17.897 18.027 18.156 18.283 18.410	90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3	1482.7 1482.9 1483.0 1483.1 1483.2 1483.4 1483.6 1483.8 1484.0 1484.2	13507.9 13852.4 14199.5 14549.2 14901.5 15256.2 15613.6 15973.4 16335.6 16700.4	6.4 3.5 3.8 4.7 5.5 1.5 1.8 3.3
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.5 1407.3 1427.0 1446.7 1466.5 1486.2 1505.9 1525.7 1545.4 1565.1	2.868 2.834 2.811 2.778 2.740 2.692 2.666 2.631 2.601 2.567	2.769 2.734 2.710 2.676 2.636 2.587 2.560 2.524 2.492 2.458	34.559 34.562 34.565 34.569 34.572 34.574 34.576 34.579 34.582 34.583	27.554 27.559 27.564 27.570 27.576 27.581 27.586 27.591 27.596 27.601	34.011 34.109 34.205 34.303 34.402 34.499 34.596 34.693 34.790 34.886	27.545 27.550 27.555 27.561 27.567 27.577 27.577 27.582 27.587 27.591	62.0 61.5 61.1 60.6 60.0 59.4 59.1 58.5 58.1	18.660 18.784 18.907 19.028 19.149 19.268 19.387 19.505 19.621 19.737	90.3 90.3 90.3 90.3 90.3 90.3 90.3	1484.5 1484.6 1484.9 1485.1 1485.4 1485.6 1485.8 1486.0 1486.2	17067.5 17437.1 17809.1 18183.5 18560.2 18939.2 19320.6 19704.2 20090.1 20478.3	7.1 4.8 3.9 5.4 9.5 4.0 2.5 1 2.2
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.6 1624.3 1644.0 1663.7 1683.4 1703.1 1722.8 1742.5 1762.3	2.551 2.526 2.488 2.455 2.430 2.395 2.379 2.351 2.337 2.312	2.440 2.413 2.375 2.340 2.314 2.278 2.260 2.231 2.216 2.189	34.586 34.588 34.591 34.593 34.598 34.598 34.601 34.603 34.603	27.604 27.608 27.613 27.618 27.622 27.627 27.629 27.633 27.638	34.981 35.076 35.174 35.271 35.367 35.464 35.557 35.653 35.746 35.840	27.594 27.598 27.604 27.608 27.612 27.617 27.619 27.623 27.626 27.628	57.4 57.1 56.5 56.1 55.2 55.2 54.7 54.5 54.3	19.852 19.967 20.080 20.193 20.305 20.416 20.526 20.636 20.745 20.854	90.3 90.3 90.3 90.3 90.3 90.2 90.3 90.3	1486.5 1486.7 1486.9 1487.0 1487.3 1487.5 1487.7 1487.9 1488.2 1488.4	20868.7 21261.4 21656.2 22053.2 22452.5 22853.8 23257.3 23663.0 24070.7 24480.6	3.1 1.4 3.5 2.3 6 3.5 1.2 4.1
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.9 1801.7 1821.3 1841.1 1860.8 1880.4 1900.1 1919.8 1939.5 1959.2	2.295 2.274 2.252 2.235 2.201 2.186 2.154 2.145 2.128 2.110	2.170 2.148 2.125 2.107 2.071 2.055 2.022 2.012 1.993 1.973	34.605 34.606 34.611 34.614 34.617 34.617 34.617 34.619 34.621 34.623	27.642 27.654 27.655 27.653 27.6657 27.6661 27.6663 27.6669 27.669	35.935 36.029 36.126 36.220 36.316 36.411 36.505 36.598 36.693 36.787	27.631 27.634 27.640 27.642 27.650 27.653 27.655 27.658 27.661	54.0 53.7 53.2 53.0 52.5 52.5 51.9 51.8 51.5 51.2	20.962 21.069 21.177 21.283 21.388 21.493 21.597 21.701 21.804 21.907	90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3	1488.7 1489.0 1489.2 1489.5 1489.6 1489.9 1490.1 1490.4 1490.7 1490.9	24892.6 25306.6 25722.7 26140.9 26561.1 26983.4 27407.7 27834.0 28262.3 28692.5	2.1 2.7 2 4.5 3.0 3.4 3.4
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2300.0 2400.0 2450.0	1978.9 2028.1 2077.3 2126.5 2175.6 2224.8 2273.9 2323.1 2372.2 2421.3	2.086 2.042 2.004 1.975 1.941 1.909 1.876 1.845 1.814 1.788	1.947 1.901 1.859 1.826 1.789 1.752 1.715 1.681 1.646 1.615	34.626 34.632 34.637 34.639 34.642 34.647 34.649 34.652 34.652	27.676 27.682 27.688 27.694 27.699 27.705 27.711 27.715 27.720 27.724	36.883 37.116 37.348 37.581 37.813 38.044 38.276 38.506 38.737 38.966	27.666 27.671 27.676 27.683 27.688 27.692 27.698 27.703 27.707 27.711	50.8 50.3 49.8 49.3 48.8 47.5 47.5 47.1 46.7	22.009 22.261 22.511 22.759 23.004 23.247 23.488 23.727 23.963 24.198	90.3 90.2 90.3 90.2 90.3 90.2 90.3 90.3	1491.2 1491.8 1492.5 1493.2 1493.2 1494.6 1495.3 1496.0 1496.7	29124.8 30213.9 31315.2 32428.4 33553.5 34690.4 35838.8 36998.8 38170.2 39352.8	3.4 1 1.1 2.4 3.6 2.1 3.7 -1.5
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2850.0 2900.0 2950.0	2470.4 2519.5 2568.6 2617.6 2666.7 2715.8 2764.8 2813.8 2862.8 2911.8	1.760 1.741 1.720 1.700 1.685 1.661 1.645 1.628 1.615	1.584 1.561 1.536 1.511 1.492 1.464 1.424 1.422 1.405	34.657 34.659 34.661 34.662 34.663 34.666 34.668 34.669 34.670 34.671	27.728 27.732 27.735 27.738 27.741 27.745 27.747 27.750 27.752 27.754	39.195 39.424 39.651 39.878 40.104 40.332 40.558 40.783 41.008 41.232	27.715 27.719 27.722 27.724 27.727 27.730 27.733 27.735 27.737 27.737	46.4 46.2 45.9 45.6 45.1 44.9 44.8	24.431 24.662 24.893 25.122 25.350 25.577 25.803 26.028 26.252 26.476	90.3 90.2 90.2 90.2 90.3 90.2 90.2 90.2 90.2	1498.2 1499.0 1499.7 1500.5 1501.3 1502.0 1502.8 1503.6 1504.4 1505.2	40546.7 41751.7 42967.7 44194.8 45432.8 46681.6 47941.3 49211.7 50492.9 51784.7	1.5 5 2.4 2.2 1.6 1.4 1.3
3000.0 3050.0 3100.0 3112.0	2960.8 3009.8 3058.8 3070.5	1.590 1.577 1.563 1.563	1.370 1.354 1.334 1.333	34.673 34.674 34.676 34.670	27.757 27.760 27.762 27.758	41.457 41.681 41.906 41.954	27.741 27.743 27.745 27.741	44.6 44.4 44.3 44.7	26.699 26.921 27.143 27.196	90.2 90.2 90.2 90.2	1505.9 1506.7 1507.5 1507.7	53087.2 54400.3 55724.0 56043.2	-7.1 -7.1

Station		Latitude			-	ide 128°		25	Aug 1989	GMT 20		Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	10 ⁸ m ³ /kg		LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.8 59.8 69.8 79.7	19.724 19.698 19.667 19.662 19.402 19.111 17.550 16.869 16.584	19.724 19.696 19.664 19.656 19.633 19.100 17.538 16.856 16.569	33.701 33.702 33.701 33.702 33.713 33.763 34.089 33.989 33.989 33.930	23.844 23.852 23.860 23.863 23.875 23.977 24.301 24.728 24.848	23.844 23.895 23.947 23.993 24.048 24.194 24.561 24.916 25.078 25.242	23.844 23.852 23.859 23.861 23.873 24.298 24.608 24.725 24.844	404.9 404.5 404.1 404.2 403.5 394.1 363.6 334.3 323.4 312.3	.000 .405 .809 1.213 1.617 2.016 2.396 2.743 3.070 3.387	90.1 90.0 90.0 89.9 89.8 89.8 89.9 90.0	1519.8 1519.9 1520.0 1520.2 1520.3 1519.8 1519.6 1515.1 1513.2 1512.5	2.0 8.1 18.2 32.3 50.4 72.4 98.0 127.0	33.1 2.1 2.8 59.2 268.2 442.7 193.6 65.8 65.2
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	16.373 16.209 16.449 15.874 15.067 14.374 13.883 13.373 12.303 11.366	16.357 16.192 16.429 15.854 15.046 14.352 13.860 13.349 12.279 11.342	34.034 34.041 34.208 34.188 34.084 34.003 33.943 33.917 33.815 33.770	24.924 24.967 25.041 25.157 25.257 25.343 25.399 25.485 25.617 25.757	25.362 25.449 25.566 25.727 25.873 26.006 26.108 26.239 26.419 26.607	24.920 24.963 25.036 25.152 25.252 25.339 25.395 25.480 25.612 25.752	305.4 301.5 294.9 284.1 274.7 266.6 261.4 253.4 240.8 227.4	3.696 4.000 4.297 4.588 4.867 5.138 5.402 5.659 5.908 6.142	90.0 90.1 90.2 90.4 90.4 90.5 90.7 90.7 90.8	1512.1 1511.8 1512.9 1511.2 1508.8 1505.1 1503.5 1409.9 1496.8	194.4 232.7 274.0 318.3 365.3 415.1 467.5 522.6 580.1 640.0	30.4 115.5 39.2 157.1 67.1 108.5 42.0 17.3 168.2 93.9
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.1 229.0 238.9 258.8 268.7 278.7 288.6	10.760 10.637 10.202 9.917 9.617 9.487 9.283 8.925 8.724 8.539	10.736 10.612 10.177 9.891 9.590 9.460 9.255 8.896 8.695 8.508	33.771 33.765 33.803 33.847 33.855 33.913 33.936 33.936 33.958 33.986	25.866 25.883 25.987 26.071 26.127 26.194 26.244 26.319 26.372 26.407	26.764 26.826 26.977 27.107 27.209 27.322 27.419 27.541 27.640 27.721	25.862 25.878 25.983 26.066 26.122 26.189 26.240 26.315 26.368 26.402	217.1 215.6 205.7 197.9 192.7 186.5 181.8 174.7 169.8 166.6	6.364 6.581 6.792 6.995 7.190 7.379 7.564 7.743 7.916 8.084	90.8 90.8 90.8 90.8 90.8 90.7 90.7	1494.8 1494.5 1493.2 1492.3 1491.4 1491.2 1490.6 1489.5 1488.9 1488.4	702.2 766.6 833.1 901.6 972.1 1044.5 1118.7 1194.8 1272.6 1352.1	75.1 18.8 55.3 113.9 71.9 304.3 97.9 32.3 16.1
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0	298.5 308.5 318.4 328.3 338.3 348.2 358.1 368.0 378.0 387.9	8.372 8.160 7.924 7.753 7.559 7.407 7.159 6.996 6.897 6.701	8.341 8.128 7.892 7.720 7.526 7.373 7.125 6.962 6.861 6.666	33.995 34.005 34.010 34.009 34.005 34.002 34.000 33.995 33.997 33.991	26.434 26.474 26.513 26.537 26.562 26.581 26.614 26.633 26.648 26.670	27.794 27.881 27.967 28.037 28.109 28.175 28.255 28.321 28.383 28.452	26.429 26.469 26.508 26.532 26.557 26.576 26.609 26.628 26.643 26.665	164.1 160.3 156.7 154.5 152.1 150.4 147.2 145.5 144.1 142.0	8.249 8.412 8.570 8.726 8.879 9.030 9.178 9.325 9.470 9.613	90.5 90.4 90.1 89.9 89.4 89.1 88.5 87.8	1487.9 1487.3 1486.6 1486.1 1485.5 1485.0 1484.2 1483.7 1483.5 1482.9	1433.2 1515.9 1600.3 1686.1 1773.6 1862.5 1952.9 2044.7 2138.0 2232.7	2.9 62.6 68.7 56.4 24.5 49.3 22.3 8.5 19.9
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.8 417.7 427.6 437.5 447.5 457.4 467.3 477.2 487.1	6.581 6.415 6.277 6.178 6.055 6.055 5.986 5.986	6.545 6.378 6.233 6.138 6.120 6.016 5.982 5.984 5.924	33.992 33.996 34.002 34.011 34.021 34.030 34.044 34.062 34.071 34.090	26.686 26.711 26.734 26.764 26.764 26.800 26.818 26.829 26.844	28.515 28.587 28.657 28.723 28.780 28.846 28.907 28.972 29.028 29.089	26.681 26.707 26.729 26.749 26.760 26.779 26.795 26.813 26.823 26.838	140.5 138.1 136.0 134.2 133.3 131.5 130.1 128.4 127.6 126.3	9.754 9.893 10.030 10.166 10.300 10.432 10.563 10.692 10.820 10.947	86.5 85.4 84.6 84.2 84.2 84.2 84.3 83.9	1482.6 1482.1 1481.5 1481.6 1481.4 1481.4 1481.4 1481.5 1481.7	2328.8 2426.3 2525.2 2625.4 2727.0 2829.8 2934.0 3039.4 3146.1 3254.1	22.5 37.1 11.3 33.9 23.6 18.9 15.7 4.6 5.2
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.1 507.0 516.9 526.8 536.7 546.6 556.6 556.4 586.3	5.889 5.813 5.804 5.689 5.602 5.530 5.365 5.190	5.846 5.770 5.760 5.635 5.613 5.556 5.484 5.318 5.143 4.950	34.106 34.107 34.118 34.137 34.138 34.152 34.153 34.153 34.154 34.137	26.866 26.876 26.886 26.916 26.937 26.947 26.947 26.974 26.995	29.158 29.214 29.269 29.347 29.396 29.460 29.516 29.577 29.640 29.710	26.861 26.871 26.880 26.911 26.932 26.932 26.941 26.954 26.969 26.990	124.2 123.4 122.6 119.7 119.5 117.8 117.0 115.7 114.1 112.0	11.072 11.196 11.318 11.440 11.559 11.677 11.795 11.911 12.026 12.139	83.9 84.1 85.7 86.0 86.4 86.8 87.2	1481.6 1481.5 1481.6 1481.3 1481.4 1481.3 1481.2 1480.7 1480.1 1479.5	3363.3 3473.7 3585.4 3698.2 3812.3 3927.5 4043.9 4161.4 4280.1 4399.9	16.3 2.0 10.2 14.0 17.2 5.8 21.0 11.0 15.1 32.0
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.2 606.1 616.0 626.0 635.9 645.7 665.6 675.5	4.975 4.909 4.834 4.737 4.742 4.685 4.665 4.665 4.639 4.533	4.927 4.860 4.785 4.688 4.692 4.634 4.613 4.587 4.580 4.404	34.144 34.152 34.164 34.172 34.190 34.200 34.210 34.221 34.227 34.227	27.005 27.019 27.037 27.054 27.068 27.082 27.092 27.104 27.114 27.123	29.765 29.826 29.891 29.955 30.014 30.076 30.132 30.189 30.246 30.303	27.000 27.014 27.031 27.048 27.062 27.077 27.087 27.098 27.108 27.117	111.2 109.9 108.2 106.6 105.4 104.0 103.2 102.2 101.2 100.3	12.251 12.361 12.471 12.578 12.684 12.789 12.892 12.995 13.097 13.197	88.1 88.6 89.0 89.3 89.7 89.8 90.0 90.1 90.1	1479.6 1479.5 1479.3 1479.1 1479.3 1479.4 1479.4 1479.4	4520.8 4642.8 4765.8 4890.0 5015.2 5141.4 5268.6 5396.9 5656.4	3.6 2 14.1 11.5 10.0 13.8 3.3 7.7 19.7
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 735.0 744.8 754.8 764.7 774.6 784.5	4.445 4.423 4.399 4.377 4.359 4.328 4.264 4.255 4.247	4.391 4.368 4.344 4.321 4.334 4.301 4.271 4.205 4.196 4.187	34.225 34.232 34.238 34.248 34.264 34.274 34.282 34.291 34.298 34.313	27.128 27.137 27.144 27.154 27.165 27.167 27.200 27.207 27.220	30.354 30.409 30.462 30.519 30.575 30.633 30.689 30.750 30.802 30.861	27.122 27.131 27.138 27.148 27.159 27.171 27.181 27.194 27.201 27.214	99.9 99.1 98.5 97.6 96.7 95.6 94.8 93.5 92.9 91.8	13.298 13.397 13.496 13.594 13.691 13.787 13.882 13.976 14.069 14.162	90.2 90.3 90.3 90.3 90.3 90.4 90.3 90.3	1479.1 1479.2 1479.3 1479.4 1479.6 1479.7 1479.6 1479.7	5787.7 5919.9 6053.1 6187.3 6322.4 6458.5 6595.5 6733.5 6872.4 7012.1	14.4 11.2 4.8 17.4 17.7 10.6 16.2 11.8 4.5
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.4 804.3 814.2 824.1 834.0 843.9 853.8 863.7 873.6 883.5	4.228 4.180 4.176 4.118 4.068 4.081 4.080 4.046 4.004 3.988	4.168 4.119 4.114 4.056 4.005 4.017 4.015 3.981 3.938 3.921	34.324 34.329 34.343 34.346 34.360 34.373 34.377 34.385 34.391	27.231 27.240 27.252 27.258 27.265 27.275 27.286 27.293 27.303 27.310	30.918 30.973 31.031 31.084 31.138 31.194 31.250 31.303 31.359 31.412	27.225 27.233 27.245 27.252 27.259 27.269 27.279 27.286 27.296 27.303	90.9 90.0 89.0 88.4 87.7 86.9 85.4 84.4	14.253 14.344 14.433 14.522 14.610 14.697 14.783 14.869 14.954 15.038	90.4 90.4 90.4 90.3 90.3 90.4 90.4	1480.0 1480.1 1480.1 1480.2 1480.2 1480.4 1480.5 1480.5	7152.8 7294.4 7436.9 7580.2 7724.4 7869.4 8015.3 8162.1 8309.7 8458.1	8.9 10.4 5.1 9.2 9.2 14.8 10.1 7.8 9.8 5.7
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.4 903.3 913.2 923.0 932.9 942.8 952.7 962.6 972.5 982.4	3.970 3.953 3.904 3.875 3.830 3.806 3.775 3.759 3.736 3.726	3.902 3.885 3.836 3.761 3.735 3.704 3.687 3.664 3.653	34.404 34.412 34.421 34.422 34.426 34.432 34.434 34.442 34.442	27.318 27.324 27.335 27.345 27.351 27.357 27.364 27.368 27.376 27.379	31.466 31.518 31.576 31.633 31.685 31.737 31.791 31.841 31.895 31.944	27.311 27.317 27.328 27.338 27.344 27.349 27.357 27.361 27.369 27.372	83.1 82.6 81.6 80.6 80.1 78.9 78.6 77.9	15.122 15.204 15.286 15.367 15.448 15.528 15.607 15.685 15.764 15.841	90.3 90.4 90.4 90.3 90.4 90.4 90.4	1480.7 1480.8 1480.7 1480.8 1480.8 1480.9 1481.0 1481.0	8607.3 8757.4 8908.2 9059.9 9212.3 9365.6 9519.6 9674.4 9829.9 9986.2	16.6 10.7 12.2 9.0 10.7 7.2 2.8 12.5 3.4 5.2

Station	33	Latitude	31. 46.	03'N	Longitu	ide 128°	10.30'W	25	Aug 1989	GMT 2	0:55	Bottom	4325 m
Pres.	Depth	Temp.	Pot.T.		Sigma-0	Sigma-z	Sigma-t	Delta	Dyn.Ht	LTR	sv	m ³ /s ²	N ² 10 ⁶ /s ²
db 1000-0	m	,c	°C	0/00	kg/m ³	kg/m ³	_	10 ⁸ m ³ /kg	_	0/0	m/s		
1000.0 1020.0 1040.0	992.3 1012.1 1031.8	3.698 3.652 3.596	3.624 3.578 3.520	34.447 34.460 34.470	27.385 27.399 27.413	31.996 32.103 32.209	27.378 27.392 27.405	77.1 75.8 74.7	15.919 16.072 16.222	90.3 90.4 90.3	1481.2 1481.4 1481.5	10143.3 10459.7 10779.1	8.7 12.2 2.0
1060.0 1080.0	1051.6 1071.4	3.555 3.514	3.478 3.435	34.477 34.486	27.423 27.434	32.311 32.415	27.415 27.426	73.8 72.8	16.371 16.517	90.3	1481.7 1481.8	11101.4 11426.5	10.5
1100.0 1120.0	1091.2 1110.9	3.478 3.450	3.399 3.368	34.493	27.443 27.455	32.515 32.619	27.435 27.447	72.0 71.0	16.662 16.805	90.3	1482.0 1482.2	11754.5 12085.4	6.1 5.2
1140.0 1160.0	1130.7 1150.5	3.404 3.371	3.322	34.505 34.513	27.460 27.469	32.717 32.819	27.452 27.462	70.5	16.946	90.4	1482.4	12419.0 12755.3	8.5
1180.0	1170.3	3.328	3.243	34.518	27.478	32.919	27.469	69.7 69.0	17.225	90.3	1482.7	13094.4	10.8
1200.0 1220.0	1190.0 1209.8	3.261 3.224	3.175 3.136	34.521 34.524	27.486 27.493	33.021 33.119	27.478 27.484	68.1 67.6	17.363 17.499	90.4	1482.8 1482.9	13436.2 13780.6	1.2 5.9
1240.0 1260.0	1229.5 1249.3	3.182 3.133	3.093 3.044	34.528 34.532 34.538	27.500 27.508	33.219 33.320	27.492 27.500	66.9 66.2	17.633 17.766	90.3 90.3	1483.1 1483.2	14127.7 14477.4	5.0 5.0
1280.0 1300.0	1269.0 1288.8	3.084 3.039	2.993	34.538 34.540	27.517 27.523	33.421 33.520	27.509 27.514	65.3 64.8	17.897 18.027	90.3	1483.4 1483.5	14829.6 15184.4	.3 1.8
1320.0 1340.0	1308.5 1328.3	3.013	2.920 2.886	34.545 34.548	27.529 27.535	33.618 33.716	27.521 27.527	64.2 63.7	18.156 18.284	90.3	1483.7 1483.9	15541.8 15901.6	4.7
1360.0 1380.0	1348.0 1367.8	2.931 2.906	2.836	34.551 34.555	27.541 27.547	33.815 33.912	27.533 27.539	63.1 62.6	18.411 18.537	90.3	1484.1 1484.3	16263.9 16628.6	2.4
1400.0	1387.5	2.879	2.780	34.558	27.552	34.009	27.544	62.2	18.662	90.3	1484.5	16995.8	2.7
1420.0 1440.0	1407.3 1427.0	2.856 2.823	2.756 2.722	34.560 34.563	27.556 27.561	34.104 34.202	27.547 27.553	61.9 61.4	18.786 18.909	90.3 90.4	1484.7 1484.9	17365.4 17737.5	1.3
1460.0 1480.0	1446.7 1466.5	2.823 2.773 2.762	2.671 2.658	34.564 34.567	27.567 27.571	34.300 34.395	27.558 27.561	60.9 60.6	19.031 19.153	90.3	1485.1 1485.3	18111.9 18488.7	1.9
1500.0 1520.0	1486.2 1505.9	2.735	2.630	34.569	27.574	34.490	27.565	60.3	19.274	90.3	1485.6	18867.8	2.2
1540.0	1525.7	2.705 2.678	2.598 2.571	34.573 34.575	27.580 27.584	34.588 34.684	27.571 27.574	59.8 59.4	19.394	90.3 90.2	1485.8 1486.0	19249.3 19633.1	4.3
1560.0 1580.0	1545.4 1565.1	2.661 2.622	2.552 2.512	34.578 34.580	27.588 27.594	34.779 34.877	27.578 27.584	59.1 58.6	19.632 19.750	90.3 90.3	1486.3 1486.4	20019.2 20407.6	3.1
1600.0 1620.0	1584.8 1604.6	2.597 2.572	2.485	34.583 34.585	27.598 27.602	34.973 35.068	27.588 27.592	58.2 57.9	19.866 19.982	90.3	1486.6 1486.9	20798.3 21191.2	1
1640.0 1660.0	1624.3	2.532	2.418	34.586	27.606	35.165	27.596 27.600	57.4	20.098	90.3	1487.0	21586.4	2.9
1680.0	1644.0 1663.7	2.507 2.474	2.392	34.588 34.591	27.610 27.615	35.260 35.357	27.605	57.1 56.6	20.212 20.326	90.3	1487.3 1487.5	21983.8 22383.4	2.3
1700.0 1720.0	1683.4 1703.1	2.446	2.328	34.594 34.595	27.620 27.623	35.454 35.549	27.610 27.613	56.1 55.8	20.438 20.550	90.2 90.3	1487.7 1487.9	22785.2 23189.2	1.2 2.0
1740.0 1760.0	1722.8 1742.6	2.388 2.361	2.267	34.598 34.601	27.628 27.633	35.646 35.742	27.618 27.623	55.3 54.9	20.662 20.772	90.3	1488.1 1488.3	23595.4 24003.6	3.5 3.2
1780.0	1762.3	2.333	2.210	34.602	27.636	35.837	27.626	54.6	20.881	90.2	1488.5	24414.0	3
1800.0 1820.0	1782.0 1801.7	2.317	2.192 2.168	34.604 34.606	27.639 27.642	35.931 36.026	27.628 27.632	54.3 54.0	20.990 21.098	90.3 90.2	1488.8 1489.0	24826.6 25241.2	1.8 4.8
1840.0 1860.0	1821.4 1841.1	2.267 2.241	2.140 2.112	34.608 34.610	27.646 27.650	36.122 36.217	27.636 27.640	53.6 53.3	21.206 21.313	90.3	1489.3 1489.5	25657.9 26076.7	1.0
1880.0 1900.0	1860.8 1880.5	2.218 2.189	2.088 2.058	34.612 34.614	27.654 27.658	36.312 36.408	27.644 27.648	52.9 52.5	21.419 21.524	90.2	1489.7 1489.9	26497.5 26920.4	2 1.6
1920.0 1940.0	1900.2 1919.8	2.156	2.024	34.617	27.663 27.666	36.505 36.599	27.652 27.656	52.0 51.7	21.629 21.733	90.2	1490.1	27345.3 27772.2	1.9
1960.0	1939.5 1959.2	2.132 2.112 2.095	1.977	34.620 34.621	27.669 27.671	36.694 36.787	27.659 27.660	51.4	21.836 21.938	90.2	1490.6 1490.9	28201.1 28632.0	.4
2000.0	1978.9	2.076	1.939	34.624	27.675	36.882	27.664	50.9	22.040	90.3	1491.1	29064.8	1.1
2050.0 2100.0	2028.1 2077.3	2.040 2.013	1.898 1.868	34.629 34.632	27.682 27.687	37.116 37.347	27.671 27.676	50.3 49.9	22.293 22.543	90.3 90.3	1491.8 1492.5	30155.5 31258.3	.5 1.4
2150.0 2200.0	2126.5 2175.7	1.975	1.826 1.781	34.637 34.640	27.694 27.701	37.581 37.814	27.683 27.689	49.3 48.7	22.791 23.037	90.2	1493.2 1493.9	32373.2 33499.9	1.2
2250.0 2300.0	2224.8 2274.0	1.906	1.750 1.716	34.642 34.645	27.705 27.709	38.044 38.275	27.692 27.697	48.4	23.280	90.2	1494.6 1495.3	34638.3 35788.4	2.1
2350.0 2400.0	2323.1 2372.2	1.854 1.834	1.689	34.648	27.714 27.717	38.505 38.732	27.701	47.7	23.521	90.2	1496.1	36950.0	1.6
2450.0	2421.3	1.804	1.632	34.652	27.721	38.962	27.704 27.708	47.5 47.1	23.998 24.235	90.3 90.2	1496.8 1497.5	38123.0 39307.5	1.1
2500.0 2550.0	2470.4 2519.5	1.773 1.747	1.596 1.567	34.651 34.659	27.723 27.731	39.190 39.422	27.710 27.718	47.0 46.3	24.469 24.701	90.2 90.3	1498.2 1499.0	40503.2 41710.1	2.4
2600.0	2568.6 2617.7	1.723 1.703	1.539 1.514	34.660 34.663	27.735 27.739	39.651 39.878	27.721 27.725	46.0	24.932 25.161	90.2	1499.7 1500.5	42928.1 44157.1	1.9
2700.0 2750.0	2666.7 2715.8	1.680	1.487	34.664	27.742 27.745	40.105	27.727 27.731	45.5	25.389	90.3	1501.2	45397.0	4
2800.0	2764.8	1.645	1.444	34.667	27.747	40.332	27.732	45.1	25.616 25.842	90.2	1502.0 1502.8	46647.8 47909.4	1.7
2850.0 2900.0	2813.8 2862.8	1.632	1.426	34.669	27.750 27.753	40.783	27.735 27.737	44.8	26.067 26.291	90.2 90.1	1503.6 1504.4	49181.7 50464.8	.3 .6
2950.0 3000.0	2911.8	1.604	1.389	34.672	27.755 27.757	41.233 41.457	27.739		26.515 26.738	90.2 90.2	1505.2 1506.0	51758.6 53063.0	.7 1.0
3030.0	2990.2	1.586	1.364	34.674	27.758	41.591	27.741 27.742			90.2	1506.4	53850.7	1.0

Station	34	Latitude	31° 58.	36'N	Longitu	ide 128°	02.32'W	26	Aug 1989	GMT 0	0:15	Bottom	4150 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	sigma-θ kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.9 49.8 59.8 69.8 79.7	19.822 19.829 19.751 19.736 19.335 17.554 17.134 16.928 16.854	19.822 19.827 19.747 19.742 19.729 19.326 17.544 17.122 16.915 16.839	33.746 33.746 33.739 33.742 33.786 34.094 34.046 34.013 34.092 34.120	23.853 23.852 23.867 23.871 23.908 24.247 24.653 24.729 24.838 24.878	23.853 23.895 23.954 24.001 24.081 24.463 24.463 25.035 25.188 25.271	23.853 23.852 23.867 23.870 23.906 24.244 24.650 24.726 24.835 24.874	404.0 404.5 403.4 403.5 400.3 368.4 329.9 323.0 312.9 309.5	.000 .404 .808 1.211 1.614 2.001 2.349 2.676 2.994 3.305	89.9 89.8 89.8 89.8 90.0 89.9 90.2	1520.2 1520.4 1520.3 1520.6 1520.0 1515.0 1513.9 1513.5 1513.5	.0 2.0 8.1 18.1 32.2 50.3 72.0 97.0 125.2 156.6	11.5 -11 5.2 67.1 527.9 268.9 80.5 99.5 74.4
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3	16.520 16.123 16.032 15.634 14.957 14.023 13.335 12.760 12.270 11.682	16.503 16.105 16.013 15.614 14.936 14.002 13.313 12.737 12.247 11.658	34.096 34.137 34.142 34.121 34.053 33.941 33.869 33.824 33.819 33.807	24.937 25.060 25.085 25.159 25.256 25.370 25.455 25.534 25.626 25.727	25.375 25.543 25.612 25.731 25.873 26.033 26.164 26.290 26.428 26.576	24.934 25.056 25.081 25.155 25.251 25.365 25.450 25.529 25.622 25.722	304.1 292.6 290.6 283.7 274.7 264.0 256.0 248.5 239.9 230.4	3.612 3.911 4.202 4.491 4.768 5.039 5.300 5.553 5.799 6.036	90.1 90.2 90.3 90.4 90.5 90.7 90.7	1512.6 1511.6 1511.5 1510.4 1508.4 1505.4 1503.2 1501.4 1499.8 1497.9	191.0 228.5 268.9 312.1 358.2 407.0 458.5 512.4 568.9 627.8	13.7 33.8 6.9 239.3 -2.9 19.2 -3.2 54.4 157.3 93.7
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 258.8 268.7 278.7 288.6	11.422 10.762 10.707 10.043 9.882 9.469 9.145 9.035 8.818 8.757	11.397 10.737 10.681 10.017 9.855 9.441 9.117 9.006 8.788 8.726	33.797 33.822 33.820 33.851 33.846 33.905 33.944 33.959 33.983 33.987	25.767 25.906 25.914 26.052 26.076 26.190 26.273 26.302 26.355 26.368	26.662 26.848 26.901 27.088 27.157 27.319 27.448 27.523 27.623 27.681	25.763 25.901 25.909 26.048 26.071 26.186 26.269 26.298 26.351 26.364	226.7 213.5 212.9 199.7 197.6 186.8 179.0 176.4 171.4	6.264 6.481 6.695 6.900 7.098 7.287 7.470 7.649 7.822 7.992	90.7 90.8 90.9 90.8 90.8 90.8 90.8 90.8	1497.2 1495.0 1495.0 1492.8 1492.4 1491.1 1490.1 1489.9 1489.3	688.9 752.3 817.8 885.4 954.9 1026.4 1099.8 1174.9 1251.7 1330.3	23.4 -5.2 62.8 47.1 213.7 6.0 7.4 49.0 13.0 31.1
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0	298.5 308.5 318.4 328.3 338.3 348.2 358.1 368.0 378.0 387.9	8.532 8.411 8.161 7.865 7.691 7.565 7.338 7.139	8.500 8.379 8.128 8.022 7.831 7.657 7.530 7.302 7.103 6.898	34.000 34.004 34.006 34.005 34.005 34.005 34.005 34.005 34.000	26.414 26.435 26.475 26.489 26.518 26.561 26.561 26.593 26.625 26.646	27.773 27.840 27.927 27.987 28.063 28.135 28.199 28.279 28.357 28.426	26.409 26.430 26.470 26.484 26.513 26.556 26.558 26.620 26.642	166.1 164.2 160.5 159.2 156.5 154.2 152.5 146.5 144.4	8.160 8.325 8.488 8.648 8.805 8.960 9.114 9.265 9.413 9.559	90.8 90.7 90.7 90.7 90.7 90.6 90.6 90.5 90.5	1488.5 1488.2 1487.5 1486.6 1486.1 1485.8 1485.1 1484.5 1483.8	1410.5 1492.4 1575.9 1660.9 1747.6 1835.8 1925.5 2016.8 2109.5 2203.7	24.3 16.1 20.8 6.4 15.1 16.9 42.6 10.1 41.7
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.8 407.8 417.7 427.6 437.5 447.4 457.4 467.3 477.2 487.1	6.776 6.574 6.371 6.248 6.166 6.054 6.011 5.933 5.788	6.739 6.537 6.333 6.210 6.128 6.015 5.972 5.892 5.896 5.747	34.001 33.999 33.999 34.000 34.007 34.011 34.022 34.044 34.057	26.667 26.692 26.719 26.736 26.750 26.766 26.775 26.794 26.822 26.839	28.494 28.566 28.641 28.705 28.765 28.828 28.883 28.948 29.023 29.087	26.663 26.687 26.714 26.731 26.745 26.761 26.770 26.779 26.817 26.834	142.5 140.1 137.5 135.9 134.7 133.1 132.4 130.7 128.1 126.5	9.703 9.844 9.982 10.119 10.255 10.388 10.521 10.652 10.781 10.909	90.5 90.4 90.3 90.3 90.3 90.2 90.1 90.0	1483.4 1482.7 1482.1 1481.8 1481.6 1481.3 1481.3 1481.0 1481.0	2299.3 2396.3 2494.7 2594.4 2695.5 2797.9 2901.6 3006.7 3113.0 3220.6	25.2 42.4 8.7 20.7 25.1 10.2 16.3 24.5 8.1
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 507.0 516.9 526.8 536.7 546.5 556.5 576.4 586.3	5.620 5.500 5.440 5.369 5.323 5.337 5.277 5.175 5.175	5.578 5.458 5.397 5.325 5.279 5.292 5.231 5.087 5.025	34.050 34.065 34.065 34.075 34.106 34.118 34.112 34.129 34.135	26.854 26.876 26.888 26.904 26.924 26.933 26.949 26.956 26.955	29.149 29.218 29.276 29.340 29.405 29.460 29.523 29.577 29.641 29.700	26.849 26.871 26.882 26.899 26.918 26.927 26.944 26.951 26.969 26.981	125.1 123.0 121.9 120.4 118.6 117.9 116.4 115.7 114.1 112.9	11.035 11.159 11.281 11.402 11.522 11.640 11.757 11.873 11.988 12.102	90.0 90.0 90.0 90.1 90.2 90.3 90.3 90.3	1480.4 1480.1 1480.1 1479.9 1479.9 1480.2 1480.1 1479.9 1479.8	3329.4 3439.5 3550.8 3663.2 3776.9 3891.8 4007.8 4124.9 4243.2 4362.6	9.5 17.1 26.8 5.7 2.8 14.5 15.9 15.3 20.3
600.0 610.0 620.0 630.0 640.0 650.0 670.0 680.0 690.0	596.2 606.1 616.0 625.9 635.8 6455.7 665.6 675.5 685.4	4.965 4.887 4.850 4.820 4.773 4.749 4.729 4.668 4.668	4.918 4.839 4.801 4.770 4.722 4.698 4.677 4.646 4.579	34.137 34.146 34.148 34.167 34.177 34.190 34.197 34.212 34.223	27.001 27.009 27.021 27.026 27.046 27.056 27.069 27.078 27.094 27.106	29.761 29.817 29.874 29.926 29.992 30.049 30.108 30.163 30.224 30.283	26.995 27.004 27.015 27.021 27.041 27.051 27.064 27.073 27.088 27.101	111.6 110.8 109.8 109.3 107.5 106.5 105.4 104.7 103.3 102.1	12.214 12.325 12.435 12.545 12.653 12.760 12.866 12.971 13.075 13.178	90.4 90.4 90.4 90.4 90.5 90.4 90.5	1479.5 1479.4 1479.4 1479.4 1479.5 1479.6 1479.6 1479.7	4483.1 4604.8 4727.5 4851.3 4976.2 5102.1 5357.1 5466.1 5616.2	18.0 6.2 14.7 15.9 15.3 7.7 6.2 7.7 12.7 13.9
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.8 754.7 764.7 774.5 784.5	4.583 4.571 4.549 4.512 4.492 4.448 4.414 4.399 4.359 4.325	4.529 4.516 4.493 4.456 4.435 4.355 4.340 4.299 4.265	34.237 34.242 34.250 34.261 34.271 34.275 34.281 34.294 34.303 34.314	27.123 27.128 27.137 27.150 27.160 27.168 27.177 27.189 27.201 27.213	30.347 30.398 30.453 30.512 30.567 30.623 30.677 30.736 30.794 30.852	27.117 27.122 27.131 27.144 27.154 27.162 27.170 27.183 27.194 27.206	100.6 100.2 99.4 98.2 97.4 96.6 95.9 94.8 93.7 92.6	13.279 13.380 13.479 13.578 13.676 13.773 13.869 13.965 14.059 14.152	90.5 90.5 90.5 90.5 90.4 90.4 90.4	1479.7 1479.8 1479.9 1479.9 1480.0 1480.0 1480.1 1480.2 1480.2 1480.2	5747.2 5879.3 6012.3 6146.4 6281.3 6417.3 6554.2 6692.0 6830.8 6970.5	4.8 2.5 8.6 12.4 13.6 10.7 14.2 6.3 11.0
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.3 814.2 824.1 834.0 843.8 853.8 863.7 873.5 883.5	4.267 4.256 4.252 4.216 4.172 4.105 4.005 4.0046 4.019	4.207 4.194 4.190 4.153 4.108 4.061 4.040 4.008 3.980 3.952	34.317 34.326 34.343 34.353 34.353 34.361 34.366 34.370 34.374 34.382	27.221 27.230 27.244 27.252 27.260 27.271 27.278 27.285 27.290 27.299	30.908 30.962 31.021 31.076 31.131 31.188 31.241 31.294 31.346 31.401	27.215 27.223 27.237 27.246 27.254 27.265 27.271 27.278 27.283 27.293	91.8 91.1 89.9 89.1 88.4 87.3 86.8 86.2 85.7 84.9	14.245 14.336 14.427 14.516 14.605 14.692 14.780 14.866 14.952 15.037	90.4 90.5 90.4 90.3 90.4 90.4 90.4	1480.1 1480.3 1480.4 1480.5 1480.5 1480.4 1480.5 1480.6 1480.6	7111.0 7252.5 7394.9 7598.2 7682.3 7827.3 7973.2 8119.9 8267.5 8415.9	2.2 14.2 16.5 1.6 13.6 6.0 11.6 6.3 18.6
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.6 972.5 982.4	3.987 3.948 3.932 3.920 3.886 3.858 3.833 3.813 3.781 3.758	3.920 3.880 3.863 3.851 3.816 3.787 3.762 3.741 3.708 3.685	34.387 34.398 34.408 34.416 34.419 34.421 34.427 34.433 34.438	27.306 27.316 27.321 27.330 27.341 27.346 27.350 27.357 27.365 27.371	31.455 31.510 31.562 31.617 31.674 31.725 31.775 31.828 31.883 31.935	27.300 27.309 27.314 27.323 27.333 27.339 27.343 27.350 27.358 27.364	84.2 83.4 82.9 82.1 81.2 80.7 80.4 79.8 79.0 78.5	15.122 15.205 15.289 15.371 15.453 15.534 15.614 15.694 15.774 15.853	90.5 90.4 90.4 90.4 90.4 90.5 90.5	1480.7 1480.8 1481.0 1481.0 1481.0 1481.1 1481.2 1481.2	8565.1 8715.2 8866.1 90170.2 9323.5 9477.6 9632.5 9788.1 9944.5	1.0 4.9 13.9 6.3 3.4 4.3 5.8 2.0

Station	34	Latitude	31° 58.	36'N	Longit	ude 128°	02.32'W	2	6 Aug 1989	GMT 0	0:15	Bottom	4150 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht	LTR 0/0	SV m/s	TF m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0 1120.0 1140.0 1160.0	992.3 1012.1 1031.8 1051.6 1071.4 1091.2 1110.9 1130.7 1150.5 1170.2	3.747 3.693 3.634 3.571 3.520 3.459 3.416 3.375 3.337	3.674 3.618 3.557 3.493 3.466 3.440 3.378 3.333 3.292 3.252	34.442 34.459 34.472 34.476 34.482 34.488 34.494 34.500 34.504	27.376 27.387 27.400 27.417 27.423 27.431 27.450 27.458 27.466	31.986 32.089 32.196 32.305 32.403 32.502 32.605 32.707 32.808 32.907	27.369 27.379 27.393 27.409 27.415 27.423 27.433 27.442 27.451 27.458	78.1 77.1 75.9 74.3 73.9 73.3 72.3 71.4 70.7 70.1	15.931 16.086 16.239 16.389 16.537 16.684 16.830 16.974 17.116 17.257	90.4 90.4 90.4 90.4 90.4 90.4 90.4	1481.4 1481.6 1481.7 1481.9 1482.2 1482.2 1482.4 1482.6 1482.7	10101.7 10418.4 10738.1 11060.7 11386.2 11714.7 12046.0 12380.1 12717.0 13056.7	4.63 2.87 3.93 1.18 2.9
1200.0 1220.0 1240.0 1260.0 1280.0 1300.0 1320.0 1340.0 1360.0	1190.0 1209.8 1229.5 1249.3 1269.0 1288.8 1308.5 1328.3 1348.0 1367.8	3.296 3.267 3.238 3.197 3.159 3.133 3.093 3.045 3.018 2.988	3.210 3.179 3.149 3.107 3.068 3.040 2.999 2.950 2.922 2.890	34.510 34.514 34.520 34.528 34.533 34.538 34.543 34.547 34.550 34.553	27.475 27.481 27.488 27.499 27.506 27.513 27.521 27.528 27.533 27.539	33.008 33.106 33.206 33.308 33.408 33.506 33.607 33.707 33.804 33.901	27.466 27.473 27.480 27.498 27.504 27.512 27.520 27.524 27.530	69.3 68.8 68.1 67.2 66.5 66.3 64.6 64.2	17.396 17.534 17.671 17.807 17.940 18.073 18.204 18.334 18.463 18.591	90.4 90.4 90.3 90.4 90.4 90.4 90.4	1482.9 1483.1 1483.3 1483.5 1483.7 1484.1 1484.1 1484.4 1484.6	13399.1 13744.2 14092.0 14442.5 14795.6 15151.2 15509.5 16233.6 16599.4	.9 1.5 7.1 5.3 3.3 6.1 5.2 4.5
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.5 1407.2 1427.0 1446.4 1466.4 1466.2 1505.9 1525.7 1545.4 1565.1	2.951 2.910 2.878 2.839 2.798 2.752 2.752 2.733 2.702 2.670	2.852 2.810 2.776 2.736 2.694 2.678 2.645 2.625 2.592 2.559	34.556 34.557 34.561 34.566 34.568 34.570 34.573 34.576 34.578	27.544 27.549 27.555 27.560 27.566 27.570 27.574 27.578 27.583 27.583	33.998 34.096 34.193 34.291 34.389 34.484 34.580 34.675 34.772 34.869	27.535 27.540 27.546 27.551 27.557 27.560 27.565 27.568 27.573 27.578	63.2 62.7 62.2 61.7 61.2 60.5 60.2 59.7 59.3	18.718 18.844 18.969 19.093 19.215 19.338 19.459 19.580 19.700 19.819	90.4 90.3 90.4 90.3 90.4 90.3 90.4 90.4 90.4	1484.8 1485.0 1485.2 1485.3 1485.8 1486.8 1486.0 1486.2 1486.4 1486.6	16967.7 17338.4 17711.6 18087.2 18465.2 1845.6 19228.3 19613.4 20000.9 20390.6	3.3 2.8 -1.3 5.1 4.0 4.6 4.0 4.3 2.8 2.6
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.5 1624.3 1644.0 1663.7 1683.4 1703.1 1722.8 1742.5 1762.2	2.648 2.620 2.597 2.562 2.528 2.496 2.465 2.429 2.408 2.377	2.536 2.506 2.482 2.446 2.410 2.377 2.346 2.308 2.286 2.254	34.579 34.582 34.583 34.589 34.599 34.593 34.595 34.595 34.597	27.591 27.595 27.598 27.604 27.609 27.613 27.618 27.622 27.626 27.630	34.964 35.060 35.154 35.252 35.349 35.445 35.639 35.733 35.829	27.581 27.585 27.588 27.594 27.599 27.603 27.607 27.612 27.616 27.620	59.0 58.7 58.4 57.9 57.3 56.5 56.7 55.3	19.937 20.055 20.171 20.288 20.403 20.517 20.631 20.743 20.855 20.966	90.2 90.3 90.4 90.3 90.3 90.4 90.3	1486.9 1487.1 1487.3 1487.5 1487.7 1488.1 1488.3 1488.5 1488.7	20782.7 21177.0 21573.6 21972.5 22373.6 22776.9 23182.5 23590.2 24000.1 24412.2	3.7 1 2.3 .6 2.3 4.4 2.6 1.2 3.5
1800.0 1820.0 1840.0 1860.0 1880.0 1900.0 1920.0 1940.0 1960.0	1781.9 1801.7 1821.3 1841.1 1860.7 1880.4 1900.1 1919.8 1939.5 1959.2	2.354 2.338 2.311 2.281 2.247 2.219 2.193 2.166 2.141 2.119	2.229 2.211 2.183 2.152 2.117 2.087 2.060 2.032 2.005 1.983	34.601 34.602 34.605 34.607 34.610 34.612 34.614 34.615 34.618	27.633 27.636 27.640 27.650 27.654 27.657 27.661 27.665 27.668	35.924 36.018 36.114 36.209 36.306 36.403 36.497 36.592 36.688 36.782	27.623 27.625 27.630 27.634 27.639 27.643 27.647 27.650 27.654 27.657	55.0 54.8 54.4 54.0 53.5 53.7 52.7 51.9 51.6	21.076 21.186 21.295 21.404 21.511 21.618 21.724 21.829 21.933 22.036	90.2 90.4 90.3 90.2 90.3 90.3 90.3 90.3	1489.0 1489.2 1489.4 1489.6 1489.8 1490.1 1490.3 1490.7 1490.7	24826.4 25242.7 25661.2 26081.7 26504.4 26929.1 27355.8 27784.6 28215.4 28648.2	3.0 2 6.3 4.5 3.1 1.0 1.3 1 2.5
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2350.0 2350.0 2400.0 2450.0	1978.9 2028.1 2077.3 2126.5 2175.6 2224.8 2273.9 2323.1 2372.2 2421.3	2.100 2.054 2.012 1.982 1.950 1.916 1.883 1.849 1.820	1.962 1.912 1.867 1.833 1.759 1.759 1.722 1.685 1.652	34.622 34.628 34.635 34.635 34.638 34.641 34.644 34.648 34.651 34.654	27.672 27.681 27.687 27.692 27.698 27.703 27.708 27.714 27.719 27.724	36.878 37.113 37.347 37.578 37.810 38.042 38.273 38.505 38.736 38.966	27.661 27.669 27.676 27.680 27.685 27.691 27.696 27.702 27.706 27.711	51.2 50.5 49.5 49.5 49.1 48.1 47.2 46.8	22.139 22.393 22.644 22.893 23.139 23.383 23.625 23.865 24.102 24.337	90.3 90.3 90.3 90.3 90.3 90.3 90.2 90.3 90.3	1491.2 1491.9 1492.5 1493.2 1494.6 1495.3 1496.0 1496.8 1497.5	29083.0 30178.6 31286.4 32406.2 33537.9 34681.4 35836.5 37003.2 38181.4 39370.9	1.9 7 6 2.7 1.5 1.9 2.8 1.4
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2850.0 2850.0 2900.0	2470.4 2519.5 2568.6 2617.6 2666.7 2715.7 2764.8 2813.8 2862.8 2911.8	1.771 1.750 1.732 1.715 1.693 1.674 1.662 1.642 1.628	1.594 1.569 1.548 1.526 1.500 1.477 1.460 1.436 1.418 1.402	34.655 34.658 34.659 34.662 34.663 34.665 34.666 34.668 34.668	27.726 27.730 27.733 27.737 27.740 27.743 27.745 27.749 27.751 27.751	39.193 39.422 39.648 39.876 40.102 40.329 40.554 40.781 41.006 41.228	27.713 27.717 27.720 27.723 27.725 27.725 27.729 27.730 27.734 27.736 27.735	46.6 46.3 46.2 45.7 45.4 45.1 45.1	26.401	90.3 90.3 90.3 90.3 90.2 90.3 90.3 90.3 90.3	1498.2 1499.0 1499.8 1500.5 1501.3 1502.1 1502.9 1503.6 1504.4 1505.2	40571.6 41783.4 43006.4 44240.4 45485.4 46741.4 48008.2 49285.8 50574.2 51873.4	3 1.9 2.5 1.9 1.1 3 6 3.9
3000.0 3036.0	2960.8 2996.1	1.601 1.590	1.382 1.367	34.672 34.673	27.756 27.758	41.455 41.617	27.740 27.742	44.7 44.6	26.850 27.011	90.2 90.2	1506.0 1506.6	53183.2 54133.0	.7

Station	35	Latitude	32° 12.	90'N	Longitu	ide 127°	54.80'W	26	Aug 1989	GMT 0	3:25	Bottom	3950 m
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	.0 10.0 19.9 29.9 39.9 49.8 59.8 69.8 79.7	19.637 19.637 19.645 19.653 19.609 18.233 17.369 17.116 16.764	19.637 19.635 19.643 19.648 19.639 19.600 18.223 17.358 17.103 16.750	33.651 33.651 33.660 33.704 33.726 33.967 33.972 33.927 34.062 34.066	23.828 23.829 23.834 23.866 23.885 24.079 24.431 24.4607 24.771 24.857	23.828 23.872 23.921 23.996 24.059 24.295 24.692 24.692 25.121 25.251	23.828 23.828 23.833 23.865 23.883 24.077 24.429 24.604 24.768 24.854	406.4 406.7 406.6 403.9 402.5 384.4 351.1 334.6 319.3 311.3	.000 .407 .813 1.219 1.622 2.016 2.385 2.725 3.051 3.365	90.0 90.0 90.0 90.0 89.8 90.0 90.1 90.2 90.3	1519.5 1519.7 1519.9 1520.1 1520.3 1520.7 1516.9 1514.5 1514.1 1513.2	.0 2.0 8.1 18.2 32.4 50.5 72.5 98.0 126.8 158.7	.0 6 10.3 5.8 135.9 173.7 254.0 210.0 236.6 38.9
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	16.707 16.272 16.078 15.575 14.935 14.535 13.741 13.435 13.038 11.798	16.691 16.255 16.059 15.555 14.914 14.513 13.719 13.411 13.014 11.774	34.076 34.129 34.141 34.103 34.041 33.988 33.908 33.906 33.924 33.803	24.879 25.021 25.075 25.158 25.252 25.298 25.402 25.463 25.557 25.702	25.316 25.503 25.601 25.730 25.869 25.960 26.111 26.217 26.356 26.551	24.875 25.017 25.070 25.154 25.247 25.293 25.397 25.458 25.552 25.698	309.7 296.4 291.6 283.8 275.1 270.9 261.1 255.5 246.7 232.7	3.675 3.976 4.270 4.558 4.839 5.111 5.376 5.635 5.885 6.124	90.3 90.3 90.6 90.6 90.7 90.9 91.0 91.0	1513.2 1512.1 1511.7 1510.2 1508.3 1507.1 1504.6 1503.7 1502.6 1498.3	193.8 231.9 272.9 316.8 363.6 413.1 465.3 520.1 577.4 637.1	21.0 37.4 63.7 33.8 156.3 21.0 32.6 132.4 118.8 68.5
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.0 229.0 238.9 248.9 258.8 268.7 278.7 288.6	11.107 10.401 9.963 9.547 9.240 9.041 8.811 8.670 8.450 8.236	11.083 10.376 9.938 9.521 9.214 9.014 8.783 8.642 8.421 8.206	33.766 33.786 33.818 33.877 33.923 33.961 33.990 33.997 34.006 34.005	25.800 25.940 26.040 26.155 26.241 26.302 26.362 26.389 26.430 26.462	26.697 26.884 27.031 27.192 27.326 27.433 27.539 27.612 27.699 27.778	25.796 25.936 26.036 26.150 26.237 26.298 26.358 26.385 26.426 26.458	223.4 210.1 200.7 189.8 181.7 176.0 170.4 168.0 164.2 161.2	6.352 6.570 6.773 6.967 7.153 7.333 7.507 7.676 7.842 8.005	91.0 91.1 91.1 91.1 91.1 91.1 91.0 91.0	1496.0 1493.7 1492.3 1491.0 1489.6 1488.9 1488.6 1487.9 1487.2	699.1 763.4 829.7 898.0 968.2 1040.2 1113.9 1189.3 1266.4 1345.1	142.2 291.1 56.5 26.5 11.5 150.9 68.9 16.1 38.6 17.5
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.2 348.2 358.1 368.0 378.0 387.9	8.109 7.940 7.744 7.516 7.353 7.199 7.036 6.956 6.847 6.692	8.078 7.909 7.712 7.484 7.321 7.166 7.003 6.922 6.812 6.656	34.006 34.007 34.005 34.005 34.000 33.999 33.998 33.996 33.999	26.482 26.507 26.535 26.568 26.588 26.630 26.640 26.653 26.677	27.843 27.916 27.990 28.070 28.137 28.204 28.273 28.329 28.389 28.459	26.477 26.503 26.530 26.563 26.583 26.604 26.626 26.636 26.649 26.672	159.4 157.0 154.5 151.4 149.5 147.6 145.6 145.6 141.4	8.165 8.324 8.479 8.632 8.782 8.931 9.078 9.223 9.367 9.509	91.0 91.0 90.9 90.9 91.0 90.9 91.0 90.9 91.0	1486.9 1486.4 1485.8 1485.1 1484.7 1484.2 1483.7 1483.3 1482.9	1425.4 1507.3 1590.7 1675.7 1762.1 1850.1 1939.5 2030.3 2122.6 2216.3	8.1 30.7 22.7 19.5 22.9 46.9 16.2 17.3 14.4 31.3
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.8 407.7 417.7 427.6 437.5 447.4 457.4 467.3 477.2 487.1	6.524 6.253 6.061 5.981 5.848 5.836 5.826 5.826 5.740	6.488 6.217 6.025 5.944 5.873 5.810 5.796 5.786 5.767 5.698	33.997 34.012 34.013 34.017 34.027 34.029 34.031 34.036 34.036 34.055	26.698 26.744 26.769 26.783 26.800 26.810 26.818 26.818 26.828 26.844	28.527 28.622 28.694 28.754 28.818 28.874 28.923 28.973 28.973 29.092	26.693 26.740 26.765 26.778 26.795 26.805 26.808 26.813 26.823 26.839	139.3 134.9 132.4 131.2 129.7 128.8 128.7 128.3 127.5 126.0	9.650 9.787 9.921 10.053 10.184 10.313 10.442 10.571 10.698 10.825	90.9 90.9 90.9 90.8 90.8 90.8 90.8	1482.4 1481.5 1480.9 1480.6 1480.6 1480.6 1480.8 1480.8	2311.4 2407.8 2505.6 2604.7 2705.1 2806.8 2909.8 3014.0 3119.5 3226.2	14.3 23.9 15.7 13.9 7.2 1.6 7.2 16.3
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 507.0 516.9 526.8 536.7 546.5 556.4 576.4 586.3	5.727 5.738 5.660 5.601 5.526 5.369 5.400 5.116 5.112 5.081	5.685 5.694 5.616 5.557 5.481 5.324 5.353 5.071 5.065 5.033	34.072 34.086 34.114 34.131 34.131 34.141 34.161 34.146 34.156 34.167	26.859 26.969 26.921 26.929 26.956 26.969 26.990 26.999 27.011	29.152 29.208 29.286 29.353 29.407 29.482 29.541 29.661 29.725	26.853 26.864 26.895 26.916 26.924 26.951 26.964 26.985 26.993 27.006	124.8 123.9 121.0 119.1 118.4 115.8 114.7 111.8 110.6	10.951 11.075 11.197 11.317 11.436 11.553 11.668 11.782 11.894 12.005	90.8 90.8 90.8 90.7 90.8 90.7 90.8 90.8	1480.9 1481.1 1481.0 1481.0 1480.8 1480.4 1480.7 1479.7 1479.8 1479.9	3334.2 3443.5 3553.9 3665.6 3778.4 3892.4 4007.5 4123.8 4241.1 4359.6	18.3 21.9 11.3 3.7 32.4 23.0 12.5 15.3 2.2 14.8
600.0 610.0 620.0 630.0 640.0 650.0 670.0 680.0 690.0	596.2 606.1 616.0 625.9 635.8 645.7 655.7 665.6 675.5	5.016 4.916 4.818 4.745 4.6694 4.6666 4.627 4.570 4.542 4.510	4.968 4.868 4.769 4.696 4.615 4.576 4.518 4.490 4.457	34.174 34.178 34.174 34.181 34.195 34.200 34.214 34.226 34.236 34.233	27.024 27.039 27.046 27.060 27.077 27.084 27.100 27.116 27.126 27.136	29.784 29.846 29.900 29.961 30.024 30.078 30.140 30.202 30.259 30.315	27.019 27.033 27.041 27.055 27.072 27.079 27.094 27.110 27.121 27.131	109.4 108.1 107.3 106.0 104.4 103.8 102.4 100.9	12.115 12.224 12.332 12.438 12.543 12.648 12.751 12.852 12.953 13.053	90.8 90.8 90.8 90.8 90.7 90.7 90.8 90.8	1479.8 1479.5 1479.3 1479.2 1479.2 1479.2 1479.2 1479.2 1479.3	4479.1 4599.8 4721.5 4844.2 4968.0 5092.8 5218.7 5345.5 5473.4 5602.2	9.5 10.6 6.2 15.0 5.3 11.8 16.8 10.9 15.6
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.8 754.7 764.6 774.5 784.4	4.483 4.467 4.450 4.404 4.348 4.358 4.358 4.321 4.273 4.216	4.429 4.413 4.395 4.348 4.291 4.325 4.300 4.262 4.214 4.156	34.254 34.268 34.284 34.291 34.295 34.317 34.326 34.337 34.333	27.148 27.160 27.175 27.185 27.195 27.209 27.219 27.231 27.233 27.239	30.373 30.431 30.492 30.549 30.605 30.664 30.720 30.779 30.827 30.880	27.142 27.154 27.169 27.179 27.189 27.203 27.212 27.225 27.227 27.232	98.1 97.0 95.7 94.7 93.9 92.7 91.9 90.7 90.5 90.0	13.151 13.249 13.345 13.441 13.535 13.628 13.720 13.812 13.903 13.993	90.7 90.7 90.9 90.7 90.8 90.8 90.7 90.8	1479.3 1479.4 1479.6 1479.5 1479.5 1479.8 1479.9 1479.9 1479.9	5732.0 5862.8 5994.5 6127.1 6395.2 6530.7 6667.0 6804.2 6942.3	15.9 18.0 2.4 14.1 5 9.2 12.4 15.0 5.1 10.6
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5	4.196 4.152 4.129 4.126 4.095 4.068 4.045 4.037 4.012 3.989	4.135 4.091 4.068 4.063 4.032 4.005 3.981 3.972 3.946 3.923	34.339 34.344 34.352 34.366 34.374 34.377 34.387 34.389 34.397 34.400	27.246 27.255 27.264 27.275 27.285 27.290 27.301 27.303 27.312 27.317	30.934 30.989 31.044 31.101 31.157 31.208 31.265 31.313 31.368 31.419	27.240 27.249 27.258 27.269 27.279 27.284 27.294 27.296 27.305 27.310	89.3 88.6 87.7 86.8 85.9 85.5 84.4 83.6 83.2	14.082 14.171 14.259 14.347 14.433 14.519 14.604 14.688 14.772 14.856	90.7 90.7 90.7 90.7 90.8 90.8 90.8 90.7	1479.9 1479.9 1479.9 1480.1 1480.2 1480.2 1480.3 1480.4 1480.5 1480.6	7081.3 7221.2 7361.9 7503.5 7646.0 7789.3 7933.4 8078.4 8224.1 8370.8	4.2 9.8 10.7 11.8 8.0 13.9 7.5 2.8 4.8 11.9
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.6 972.5 982.3	3.965 3.931 3.902 3.882 3.867 3.850 3.845 3.808 3.795 3.760	3.898 3.864 3.833 3.813 3.797 3.7780 3.774 3.736 3.723 3.687	34.406 34.411 34.415 34.421 34.427 34.427 34.433 34.436 34.439	27.324 27.328 27.335 27.340 27.353 27.358 27.365 27.368 27.368	31.472 31.523 31.576 31.628 31.680 31.733 31.783 31.836 31.886 31.938	27.317 27.321 27.328 27.333 27.339 27.346 27.351 27.357 27.361 27.367	82.6 82.2 81.6 81.1 80.6 80.0 79.6 79.1 78.7 78.2	14.939 15.021 15.103 15.184 15.265 15.345 15.425 15.505 15.583 15.662	90.8 90.7 90.8 90.7 90.7 90.7 90.7 90.7	1480.6 1480.7 1480.8 1480.9 1481.0 1481.2 1481.2 1481.3	8518.2 8666.4 8815.5 8965.3 9115.9 9267.3 9419.6 9572.5 95726.3 9880.8	8.1 6.5 3.4 11.9 3.7 4.9 7.4 2.8

Station	35	Latitude	32° 12.	90'N	Longit	ude 127°	54.80'W	26	6 Aug 1989	GMT 0	3:25	Bottom	3950 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-6	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht	LTR 0/0		m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0 1120.0 1140.0 1160.0	992.2 1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.7 1150.4 1170.2	3.741 3.686 3.633 3.566 3.522 3.474 3.430 3.391 3.353 3.324	3.667 3.611 3.557 3.489 3.394 3.394 3.309 3.270 3.239	34.447 34.466 34.473 34.479 34.486 34.491 34.491 34.505	27.380 27.392 27.403 27.419 27.427 27.438 27.445 27.455 27.468	31.991 32.095 32.199 32.307 32.408 32.511 32.611 32.712 32.812 32.910	27.373 27.385 27.396 27.411 27.420 27.438 27.438 27.447 27.454 27.460	77.6 76.6 75.6 74.2 73.4 72.4 71.7 71.0 70.3 69.9	g J/kg 15.740 15.894 16.047 16.197 16.344 16.490 16.634 16.777 16.919 17.059	90.7 90.7 90.7 90.6 90.7 90.7 90.7 90.7	1481.4 1481.5 1481.6 1481.7 1481.8 1482.0 1482.1 1482.3 1482.5	10036.1 100349.0 10664.9 10983.7 11305.4 11630.0 11957.5 12287.7 12620.7 12956.5	3.4 10.8 9.0 7.0 5.2 2.3 4.1 5.8 2.0 2.9
1200.0 1220.0 1240.0 1260.0 1280.0 1300.0 1320.0 1340.0 1360.0	1189.9 1209.7 1229.5 1249.2 1269.0 1288.7 1308.5 1328.2 1348.0 1367.7	3.282 3.248 3.207 3.167 3.109 3.066 3.032 3.003 2.946 2.905	3.196 3.118 3.077 3.017 2.974 2.938 2.908 2.850 2.808	34.511 34.515 34.520 34.524 34.531 34.537 34.537 34.540 34.546 34.550	27.477 27.483 27.491 27.499 27.509 27.516 27.521 27.526 27.536 27.536	33.011 33.109 33.209 33.309 33.412 33.512 33.610 33.706 33.809 33.908	27.469 27.475 27.483 27.490 27.500 27.507 27.513 27.518 27.528 27.534	69.1 67.8 67.1 66.2 65.0 64.6 63.0	17.197 17.335 17.472 17.607 17.740 17.871 18.002 18.132 18.260 18.386	90.7 90.7 90.6 90.7 90.7 90.6 90.6 90.7	1482.9 1483.0 1483.2 1483.4 1483.5 1483.6 1484.0 1484.1 1484.3	13295.0 13636.1 13980.0 14326.5 14675.6 15027.3 15381.5 15738.3 16097.6 16459.4	23.8 33.8 7.6 2.7 2.7 8.6 4
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.4 1407.2 1426.9 1446.7 1466.4 1486.1 1505.9 1525.6 1545.3 1565.0	2.869 2.823 2.795 2.759 2.736 2.704 2.678 2.657 2.613 2.571	2.770 2.724 2.694 2.657 2.633 2.599 2.572 2.549 2.505 2.461	34.553 34.558 34.561 34.565 34.565 34.570 34.572 34.575 34.578 34.581	27.549 27.558 27.562 27.569 27.571 27.578 27.582 27.586 27.592 27.598	34.006 34.107 34.203 34.303 34.397 34.495 34.591 34.687 34.785 34.884	27.540 27.549 27.553 27.560 27.562 27.569 27.573 27.577 27.583 27.589	62.5 61.6 61.3 60.6 59.8 59.5 59.1 58.6 57.9	18.512 18.636 18.759 18.881 19.002 19.122 19.242 19.246 19.478 19.594	90.7 90.6 90.7 90.6 90.7 90.6 90.6 90.6	1484.5 1484.8 1485.0 1485.2 1485.4 1485.7 1485.9 1486.0 1486.2	16823.6 17190.3 17559.3 17930.7 18304.5 18680.7 19059.1 19439.9 19823.0 20208.3	6.5 4.2 3.3 5.1 6.6 2.2 4.3 8.7
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.5 1624.2 1643.9 1663.6 1683.3 1703.1 1722.8 1742.5 1762.2	2.551 2.529 2.498 2.474 2.446 2.423 2.382 2.355 2.350 2.297	2.440 2.416 2.384 2.359 2.330 2.305 2.263 2.235 2.208 2.175	34.584 34.585 34.589 34.590 34.594 34.595 34.598 34.599 34.600 34.604	27.603 27.606 27.611 27.614 27.620 27.622 27.628 27.631 27.635 27.640	34.980 35.074 35.171 35.266 35.364 35.458 35.556 35.651 35.745 35.843	27.593 27.596 27.601 27.604 27.613 27.618 27.622 27.624 27.630	57.5 57.3 56.8 56.6 55.8 55.2 54.9 54.6 54.1	19.710 19.824 19.939 20.052 20.165 20.277 20.388 20.498 20.607 20.716	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1486.5 1486.7 1486.9 1487.1 1487.3 1487.6 1487.7 1488.0 1488.2 1488.4	20595.9 20985.7 21377.7 21772.0 22168.4 22567.0 22967.8 23370.7 23775.7 24182.9	4.0 1.1 5.2 .5 .5 3.2 3.8 9
1800.0 1840.0 1840.0 1860.0 1900.0 1920.0 1940.0 1940.0 1980.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1900.1 1939.4 1959.1	2.278 2.266 2.244 2.230 2.201 2.190 2.178 2.157 2.138 2.111	2.154 2.141 2.117 2.102 2.071 2.059 2.045 2.023 2.003 1.974	34.605 34.608 34.611 34.613 34.616 34.616 34.616 34.619 34.621 34.623	27.643 27.646 27.651 27.654 27.657 27.660 27.665 27.668 27.668	35.938 36.031 36.127 36.221 36.317 36.410 36.502 36.597 36.691 36.786	27.633 27.636 27.640 27.643 27.647 27.650 27.654 27.657 27.661	53.7 53.5 53.1 52.9 52.5 52.3 52.3 51.6 51.3	20.823 20.931 21.037 21.143 21.249 21.354 21.458 21.562 21.666 21.769	90.7 90.6 90.6 90.6 90.5 90.6 90.5 90.5	1488.6 1488.9 1489.2 1489.4 1489.6 1489.9 1490.2 1490.7 1490.9	24592.1 25003.4 25416.8 25832.2 26669.2 27090.7 27514.2 2839.8 28367.3	2.7 2 2.4 3.3 4.8 1.9 1.9
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2300.0 2350.0 2400.0 2450.0	1978.8 2028.0 2077.2 2126.4 2175.6 2224.7 2273.9 2323.0 2372.1 2421.2	2.099 2.044 2.005 1.971 1.938 1.903 1.879 1.850 1.832 1.810	1.961 1.903 1.860 1.822 1.785 1.747 1.718 1.685 1.663	34.629 34.632 34.636 34.639 34.643 34.648 34.648 34.651 34.653	27.674 27.682 27.688 27.694 27.699 27.705 27.710 27.714 27.718 27.722	36.879 37.115 37.348 37.581 37.813 38.045 38.275 38.275 38.734 38.962	27.663 27.671 27.677 27.682 27.687 27.698 27.698 27.701 27.705 27.708	51.1 50.3 49.8 49.3 48.8 48.3 48.6 47.4	21.871 22.124 22.375 22.622 22.868 23.110 23.351 23.590 23.827 24.064	90.6 90.6 90.6 90.6 90.6 90.6 90.6	1491.2 1491.8 1492.5 1493.2 1493.9 1495.3 1495.3 1496.1 1496.8 1497.6	28796.8 29879.2 30973.7 32080.2 33198.5 34328.6 35470.3 36623.5 37788.1 38964.1	1.9 3.4 0 1.8 6 1.3 1.3 7
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2900.0	2470.3 2519.4 2568.5 2617.6 2666.6 2715.7 2764.7 2813.7 2862.7 2911.7	1.779 1.757 1.729 1.709 1.694 1.677 1.655 1.643 1.626 1.615	1.602 1.576 1.545 1.520 1.501 1.480 1.454 1.437 1.416	34.656 34.660 34.662 34.663 34.665 34.667 34.668 34.671	27.727 27.730 27.734 27.737 27.739 27.743 27.747 27.748 27.752 27.753	39.193 39.420 39.649 39.876 40.102 40.329 40.556 40.781 41.007 41.230	27.714 27.716 27.721 27.723 27.725 27.728 27.732 27.733 27.736 27.737	46.6 46.1 45.9 45.8 45.5 45.2 44.9	24.298 24.531 24.762 24.992 25.221 25.449 25.676 25.902 26.127 26.351	90.7 90.6 90.5 90.5 90.5 90.6 90.6 90.5	1498.3 1499.0 1499.8 1500.5 1501.3 1502.1 1502.8 1503.6 1504.4 1505.2	40151.4 41349.9 42559.4 43780.1 45011.6 46254.2 47507.5 48771.7 50046.7 51332.4	2.1 5 .7 1.1 2.3 3
3000.0 3050.0 3100.0 3150.0 3250.0 3350.0 3350.0 3400.0 3450.0	2960.7 3009.7 3058.6 3107.6 3156.6 3205.5 3254.4 3303.3 3352.2 3401.1	1.603 1.595 1.577 1.567 1.555 1.536 1.533 1.524 1.523	1.384 1.371 1.349 1.334 1.317 1.304 1.289 1.280 1.267	34.672 34.673 34.675 34.676 34.678 34.679 34.680 34.681 34.682 34.683	27.755 27.757 27.760 27.762 27.764 27.767 27.768 27.770 27.772 27.773	41.454 41.678 41.903 42.126 42.350 42.573 42.795 43.016 43.238 43.458	27.739 27.741 27.744 27.745 27.747 27.749 27.750 27.752 27.753 27.753	44.8 44.7 44.5 44.3 44.2 44.2 44.2 44.2	26.575 26.799 27.022 27.245 27.466 27.688 27.909 28.129 28.350 28.571	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1506.0 1506.8 1507.6 1508.4 1509.2 1510.0 1510.8 1511.7 1512.5 1513.3	52628.8 53935.8 55253.5 56581.8 57920.7 59270.1 60630.0 62000.4 63381.3 64772.7	-1.9 1 2.3 3 1.3 1.0 1.6 .5
3500.0 3550.0 3600.0 3650.0 3700.0 3750.0 3800.0 3818.0	3450.0 3498.9 3547.7 3596.6 3645.4 3694.2 3743.0 3760.6	1.517 1.505 1.502 1.498 1.497 1.493 1.496	1.250 1.234 1.225 1.217 1.210 1.201 1.198 1.197	34.684 34.686 34.687 34.688 34.688 34.688 34.690 34.688	27.774 27.777 27.779 27.779 27.781 27.781 27.783 27.781	43.679 43.901 44.122 44.341 44.560 44.779 44.997 45.074	27.755 27.758 27.759 27.759 27.760 27.760 27.762 27.760	44.2 44.0 44.0 44.1 44.2 44.2	28.792 29.012 29.232 29.452 29.672 29.893 30.114 30.194	90.5 90.6 90.5 90.5 90.5 90.5 90.5	1514.2 1515.0 1515.8 1516.7 1517.5 1518.3 1519.2 1519.5	66174.6 67587.0 69009.8 70443.0 71886.6 73340.8 74805.3 75335.1	1.5 1.5 8 5 7 9

Station		Latitude				ide 127°		26	Aug 1989				3000 m
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	kg/m ³	Sigma-z kg/m ³	kg/m ³	$10^8 m^3/kg$		LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	.0 10.0 19.9 29.9 39.9 49.8 59.8 69.8 79.7	19.447 19.448 19.450 19.694 19.710 19.485 18.166 17.739 17.299 16.826	19.447 19.446 19.447 19.688 19.703 19.476 18.156 17.728 17.285 16.812	33.518 33.517 33.521 33.783 33.828 33.918 34.038 34.019 34.040 34.032	23.776 23.776 23.778 23.916 23.947 24.074 24.498 24.588 24.711 24.817	23.776 23.819 23.865 24.046 24.120 24.291 24.759 24.894 25.060 25.210	23.776 23.776 23.778 23.915 23.945 24.072 24.496 24.585 24.708 24.813	411.4 411.8 411.9 399.2 396.6 384.8 344.7 336.4 325.0 315.3	.000 .412 .823 1.229 1.627 2.020 2.387 2.729 3.060 3.380	90.0 90.1 90.0 90.0 90.2 89.9 90.0 90.2	1518.9 1519.0 1519.2 1520.3 1520.6 1520.2 1516.8 1515.7 1514.6 1513.3	.0 2.1 8.2 18.5 32.7 50.9 72.9 98.4 127.2 159.3	.0 -4.4 10.0 26.4 62.7 392.7 356.8 140.4 98.1 133.2
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 169.2	16.615 16.469 15.996 15.258 14.472 13.880 13.165 12.576 12.292 12.111	16.599 16.451 15.977 15.238 14.452 13.858 13.143 12.554 12.268 12.086	34.120 34.153 34.144 34.079 33.985 33.916 33.861 33.861 33.871 33.878	24.934 24.994 25.096 25.211 25.309 25.379 25.482 25.668 25.662 25.702	25.372 25.475 25.622 25.783 25.927 26.043 26.193 26.325 26.464 26.549	24.930 24.990 25.091 25.206 25.304 25.375 25.478 25.564 25.657 25.697	304.4 299.0 289.6 278.8 269.6 263.0 253.3 245.2 236.5 232.9	3.690 3.990 4.286 4.571 4.845 5.112 5.370 5.621 5.861 6.096	90.4 90.4 90.3 90.6 90.7 90.8 90.9 91.0 91.0	1513.0 1512.7 1511.4 1509.2 1506.7 1504.9 1502.6 1500.7 1500.0 1499.5	194.5 232.7 273.9 318.0 364.9 414.4 466.6 521.2 578.3 637.8	80.2 79.0 140.4 56.6 18.9 45.1 237.6 18.8 30.2
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 258.8 268.7 278.7 288.6	11.115 10.636 10.283 9.828 9.575 9.390 9.091 8.846 8.690 8.516	11.090 10.611 10.258 9.802 9.548 9.362 9.063 8.818 8.660 8.486	33.812 33.785 33.789 33.814 33.844 33.877 33.925 33.976 33.993 34.001	25.835 25.898 25.963 26.060 26.125 26.181 26.267 26.345 26.383 26.417	26.731 26.841 26.952 27.096 27.208 27.309 27.442 27.567 27.651 27.731	25.830 25.894 25.959 26.055 26.121 26.176 26.263 26.341 26.378 26.412	220.2 214.1 208.1 198.9 192.8 187.7 179.5 172.2 168.8 165.7	6.323 6.540 6.751 6.954 7.150 7.341 7.524 7.700 7.870 8.038	91.0 91.0 91.1 91.0 91.1 91.0 91.0 91.0	1496.1 1494.5 1493.4 1492.0 1490.8 1489.9 1489.2 1488.8 1488.3	699.6 763.5 829.6 897.7 967.8 1039.8 1113.7 1189.3 1266.6 1345.7	71.9 108.1 106.6 65.8 47.6 107.9 23.0 34.0 9.4 72.1
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.3 348.2 358.1 368.0 378.0 387.9	8.207 7.935 7.845 7.773 7.687 7.553 7.265 7.060 6.674 6.422	8.176 7.904 7.813 7.740 7.654 7.519 7.230 7.026 6.640 6.387	34.007 34.008 34.004 34.002 33.999 33.998 33.999 33.998 34.005 34.013	26.468 26.509 26.519 26.528 26.539 26.557 26.559 26.626 26.684 26.723	27.829 27.918 27.974 28.029 28.085 28.150 28.239 28.314 28.421 28.508	26.463 26.504 26.514 26.524 26.534 26.552 26.594 26.679 26.719	160.8 156.9 156.0 155.3 154.4 152.8 148.7 148.7 140.5 136.8	8.200 8.359 8.516 8.671 8.826 8.979 9.130 9.278 9.422 9.560	91.0 91.0 91.0 91.0 91.0 90.9 90.9 90.9	1487.3 1486.4 1486.2 1486.0 1485.6 1484.6 1484.6 1482.6 1481.8	1426.3 1508.5 1592.3 1677.7 1764.5 1852.9 1942.8 2034.2 2127.0 2221.2	14.3 13.4 7.2 13.1 3.7 22.7 31.4 23.8 77.9 18.4
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.7 427.6 437.5 447.4 457.4 467.3 477.2 487.1	6.303 6.271 6.146 6.062 5.947 5.831 5.802 5.747 5.694 5.671	6.268 6.235 6.109 6.025 5.910 5.793 5.763 5.767 5.654 5.630	34.017 34.016 34.024 34.028 34.032 34.040 34.046 34.056 34.064 34.068	26.742 26.745 26.768 26.789 26.820 26.829 26.843 26.843 26.862	28.573 28.623 28.692 28.752 28.816 28.884 28.939 29.000 29.059 29.111	26.737 26.741 26.763 26.777 26.794 26.815 26.824 26.838 26.852 26.857	135.0 134.8 132.7 131.5 129.8 127.8 127.1 125.8 124.6 124.2	9.696 9.830 9.965 10.097 10.227 10.356 10.483 10.610 10.735 10.859	90.8 90.8 90.8 90.7 90.7 90.7 90.7	1481.5 1481.5 1481.2 1481.1 1480.8 1480.5 1480.5 1480.5 1480.5	2316.8 2413.7 2511.9 2611.4 2712.3 2814.4 2917.8 3022.4 3128.3 3235.4	8.4 6.1 24.8 4.6 17.1 5.7 9.5 18.0 2.5
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.9 526.8 536.7 546.5 556.4 576.4 586.3	5.603 5.537 5.498 5.443 5.397 5.321 5.253 5.202 5.157 5.123	5.561 5.495 5.455 5.399 5.353 5.276 5.207 5.156 5.110 5.076	34.079 34.087 34.092 34.098 34.105 34.117 34.131 34.138 34.138	26.879 26.893 26.902 26.914 26.925 26.944 26.962 26.973 26.979 26.987	29.175 29.235 29.290 29.348 29.405 29.470 29.536 29.594 29.646 29.699	26.874 26.888 26.897 26.909 26.920 26.938 26.957 26.968 26.974 26.981	122.6 121.4 120.6 119.5 118.6 116.9 115.1 114.1 113.6 113.0	10.983 11.105 11.226 11.346 11.465 11.583 11.699 11.814 11.927 12.041	90.6 90.7 90.6 90.7 90.7 90.7 90.7 90.7 90.7	1480.4 1480.3 1480.3 1480.3 1480.1 1480.0 1480.0 1480.0	3343.7 3453.2 3564.0 3675.9 3789.0 3903.3 4018.7 4135.3 4253.0 4371.8	6.9 2.5 2 20.0 20.3 12.1 21.2 1.3 12.7
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.7 655.7 665.6 675.5	5.084 5.027 5.062 4.952 4.769 4.678 4.633 4.625 4.559 4.510	5.036 4.978 5.012 4.901 4.719 4.627 4.582 4.573 4.506 4.457	34.147 34.159 34.179 34.181 34.186 34.195 34.203 34.206 34.217 34.233	26.995 27.011 27.023 27.038 27.062 27.079 27.090 27.093 27.110 27.128	29.754 29.816 29.873 29.935 30.008 30.072 30.130 30.179 30.242 30.307	26.990 27.005 27.017 27.032 27.056 27.073 27.085 27.088 27.104 27.122	112.3 110.8 109.8 108.4 106.0 104.3 103.3 103.1 101.6 99.9	12.153 12.265 12.376 12.485 12.592 12.697 12.801 12.904 13.007 13.108	90.8 90.7 90.7 90.8 90.7 90.8 90.7 90.8 90.7	1480.0 1480.0 1480.3 1480.0 1479.4 1479.2 1479.2 1479.3 1479.3	4491.7 4612.7 4734.8 4858.1 4982.3 5107.6 5234.0 5361.3 5489.7 5619.1	15.9 12.4 27.1 55.5 23.8 6.2 3.0 16.5 18.2
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.8 754.7 764.6 774.5 784.4	4.499 4.473 4.466 4.440 4.418 4.383 4.353 4.329 4.283 4.253	4.445 4.418 4.410 4.384 4.361 4.326 4.295 4.270 4.224 4.193	34.242 34.253 34.256 34.264 34.270 34.282 34.288 34.296 34.309 34.315	27.136 27.148 27.151 27.160 27.168 27.181 27.189 27.198 27.213 27.222	30.361 30.419 30.468 30.523 30.577 30.636 30.690 30.746 30.807 30.862	27.130 27.142 27.145 27.154 27.162 27.175 27.182 27.192 27.207 27.215	99.2 98.0 97.2 96.5 95.3 94.6 93.8 92.4 91.7	13.207 13.306 13.404 13.502 13.599 13.694 13.790 13.884 13.977 14.069	90.7 90.7 90.7 90.7 90.7 90.7 90.8 90.8 90.8	1479.4 1479.4 1479.6 1479.6 1479.7 1479.8 1479.8 1479.9 1479.9	5749.4 5880.8 6013.0 6146.3 6280.5 6415.7 6551.8 6688.8 6826.8 6965.6	3.0 9.7 8.0 6.0 9.2 11.2 13.0 10.9 6.0 14.5
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.8 853.7 863.6 873.5 883.4	4.218 4.213 4.181 4.130 4.120 4.087 4.056 4.023 3.992 3.960	4.157 4.151 4.119 4.067 4.056 4.024 3.992 3.958 3.927 3.894	34.325 34.326 34.334 34.348 34.350 34.358 34.365 34.373 34.381 34.389	27.233 27.234 27.244 27.260 27.263 27.273 27.282 27.292 27.301 27.311	30.920 30.967 31.023 31.086 31.135 31.191 31.247 31.302 31.358 31.414	27.226 27.227 27.237 27.253 27.253 27.266 27.266 27.276 27.285 27.294 27.304	90.7 90.6 89.7 88.2 88.0 87.1 86.3 85.4 84.6 83.7	14.160 14.251 14.341 14.431 14.519 14.606 14.693 14.779 14.864 14.948	90.7 90.8 90.7 90.7 90.7 90.7 90.7 90.8 90.7	1480.0 1480.1 1480.1 1480.2 1480.3 1480.3 1480.4 1480.4	7105.4 7246.0 7387.6 7530.0 7673.3 7817.4 7962.4 8108.3 8255.0 8402.5	11.0 2 11.8 14.8 8.3 -1.0 6.9 8.0 11.3
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.6 972.5 982.3	3.947 3.918 3.909 3.899 3.895 3.861 3.855 3.822 3.789 3.756	3.880 3.850 3.841 3.829 3.825 3.791 3.784 3.750 3.717 3.683	34.400 34.401 34.404 34.406 34.416 34.421 34.427 34.432 34.432	27.315 27.324 27.326 27.330 27.332 27.343 27.347 27.356 27.363 27.370	31.464 31.520 31.567 31.617 31.665 31.722 31.772 31.827 31.881 31.934	27.308 27.317 27.319 27.322 27.325 27.336 27.340 27.349 27.356 27.363	83.4 82.5 82.4 82.2 82.0 81.0 80.6 79.9 79.2 78.6	15.031 15.114 15.197 15.279 15.361 15.443 15.524 15.604 15.683 15.762	90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7	1480.5 1480.6 1480.7 1480.9 1481.0 1481.2 1481.2 1481.3	8550.8 8700.0 8849.9 9000.7 9152.3 9304.7 9457.8 9616.6 9922.1	8.6 3.4 1.0 2.8 11.6 6.6 6.3 1.9

Station	36	Latitude	32. 19.	12'N	Longit	ide 127°	50.46'W	26	Aug 1989	GMT 0	6:18	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0 1180.0	992.2 1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.7 1150.4 1170.2	3.726 3.694 3.647 3.603 3.566 3.520 3.491 3.453 3.431 3.390	3.652 3.619 3.571 3.525 3.488 3.439 3.370 3.370 3.347 3.305	34.442 34.448 34.457 34.463 34.471 34.478 34.487 34.487 34.490 34.495	27.378 27.386 27.398 27.407 27.417 27.427 27.433 27.441 27.445 27.454	31.988 32.088 32.193 32.294 32.396 32.498 32.596 32.596 32.793 32.894	27.370 27.378 27.390 27.399 27.409 27.419 27.425 27.433 27.437 27.446	77.9 77.2 76.2 75.4 74.5 73.6 73.1 72.5 72.1	15.841 15.996 16.149 16.301 16.451 16.599 16.746 16.891 17.036 17.179	90.7 90.7 90.7 90.6 90.7 90.7 90.7 90.7	1481.3 1481.5 1481.7 1481.8 1482.0 1482.2 1482.4 1482.5 1482.8 1483.0	10078.4 10393.2 10711.1 11032.0 11355.8 11682.5 12012.1 12344.6 12679.9 13018.0	13.4 10.8 4.3 3.4 5.2 2.0 2.6 6.7 1.8
1200.0 1220.0 1240.0 1260.0 1280.0 1300.0 1320.0 1340.0 1360.0	1189.9 1209.7 1229.5 1249.2 1269.0 1288.7 1308.5 1328.2 1348.0 1367.7	3.295 3.213 3.150 3.097 3.017 3.009 2.983 2.968 2.943 2.931	3.209 3.126 3.062 3.008 2.927 2.918 2.890 2.873 2.847 2.833	34.507 34.516 34.524 34.529 34.540 34.542 34.545 34.547 34.551 34.553	27.472 27.487 27.499 27.509 27.527 27.527 27.532 27.535 27.541 27.543	33.006 33.114 33.219 33.322 33.431 33.525 33.621 33.716 33.814 33.907	27.464 27.479 27.491 27.501 27.516 27.519 27.523 27.527 27.532 27.534	69.5 68.0 66.9 66.0 64.4 64.3 63.7 63.7	17.319 17.457 17.591 17.725 17.854 17.983 18.111 18.239 18.366 18.492	90.7 90.6 90.7 90.7 90.7 90.7 90.7 90.7	1482.9 1483.0 1483.1 1483.1 1483.4 1483.6 1483.9 1484.1 1484.4	13358.9 13702.5 14048.7 14397.6 14749.0 15102.9 15459.3 15818.2 16179.6 16543.5	2.3 12.3 3.5 8.5 5.0 2.7 3.8 3.0 4.2 2.4
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.4 1407.2 1426.9 1446.7 1466.4 1486.1 1505.9 1525.6 1545.3 1565.0	2.878 2.861 2.835 2.807 2.778 2.744 2.711 2.679 2.658 2.621	2.780 2.761 2.734 2.704 2.674 2.639 2.605 2.571 2.549 2.511	34.558 34.559 34.562 34.567 34.570 34.572 34.574 34.576 34.576	27.552 27.555 27.559 27.563 27.569 27.574 27.579 27.583 27.587 27.587	34.009 34.103 34.199 34.295 34.393 34.490 34.587 34.683 34.778 34.875	27.544 27.546 27.550 27.554 27.560 27.565 27.570 27.574 27.577 27.582	62.2 62.0 61.7 61.3 60.8 60.3 59.9 59.5 59.2	18.618 18.742 18.865 18.988 19.110 19.231 19.352 19.471 19.590 19.708	90.6 90.7 90.6 90.7 90.6 90.7 90.6 90.7	1484.5 1484.8 1485.0 1485.4 1485.6 1485.8 1486.0 1486.2 1486.4	16909.8 17278.5 17649.7 18023.2 18399.1 18777.4 19158.0 19541.0 19926.2 20313.8	4.5 3.9 1.9 4.2 1.3 2.5 2.5 2.8
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.5 1624.2 1643.9 1663.6 1683.3 1703.1 1722.8 1742.5 1762.2	2.598 2.574 2.552 2.531 2.496 2.470 2.450 2.430 2.430 2.382	2.486 2.461 2.438 2.415 2.379 2.351 2.330 2.309 2.280 2.258	34.580 34.585 34.586 34.589 34.590 34.592 34.593 34.596 34.599	27.595 27.599 27.604 27.606 27.611 27.615 27.618 27.621 27.626 27.629	34.970 35.066 35.161 35.256 35.353 35.448 35.543 35.637 35.734 35.828	27.586 27.590 27.594 27.596 27.601 27.605 27.608 27.611 27.616 27.619	58.4 58.1 57.7 57.5 57.0 56.4 56.2 55.7	19.825 19.941 20.057 20.172 20.287 20.400 20.513 20.626 20.738 20.849	90.7 90.7 90.7 90.7 90.7 90.6 90.6 90.6	1486.6 1486.9 1487.1 1487.4 1487.8 1488.0 1488.3 1488.5 1488.7	20703.6 21095.7 21490.1 21886.7 22285.5 22686.5 23089.7 23495.1 23902.7 24312.5	5.5 2.0 4.4 1.4 2.5 3.3 1.8
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1919.8 1939.4 1959.1	2.359 2.329 2.309 2.275 2.257 2.231 2.225 2.204 2.179 2.164	2.234 2.203 2.181 2.146 2.127 2.100 2.091 2.069 2.043 2.027	34.601 34.603 34.605 34.609 34.611 34.611 34.613 34.617 34.618	27.633 27.638 27.641 27.645 27.648 27.652 27.653 27.656 27.661 27.663	35.924 36.020 36.114 36.211 36.305 36.400 36.492 36.586 36.682 36.775	27.623 27.627 27.630 27.635 27.638 27.641 27.642 27.645 27.650 27.652	55.0 54.6 54.3 53.9 53.6 53.2 53.2 52.9 52.4 52.3	20.959 21.069 21.178 21.286 21.394 21.500 21.607 21.713 21.818 21.923	90.6 90.7 90.6 90.7 90.6 90.7 90.7 90.6 90.6	1489.0 1489.2 1489.4 1489.6 1489.9 1490.1 1490.7 1490.9 1491.2	24724.3 25138.3 25554.5 25972.7 26393.0 26815.4 27239.8 27666.3 28094.8 28525.4	1.8 5.3 2.1 7 3.0 1.0 2.8 1.4
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2350.0 2400.0 2450.0	1978.8 2028.0 2077.2 2126.4 2175.6 2224.7 2273.9 2323.0 2372.1 2421.2	2.138 2.085 2.053 2.014 1.954 1.915 1.892 1.861 1.828 1.807	1.999 1.943 1.907 1.864 1.801 1.758 1.732 1.696 1.660	34.620 34.625 34.630 34.634 34.639 34.642 34.644 34.647 34.650 34.653	27.667 27.676 27.683 27.689 27.698 27.703 27.707 27.712 27.718 27.722	36.871 37.107 37.340 37.574 37.811 38.043 38.272 38.502 38.734 38.963	27.656 27.664 27.671 27.677 27.686 27.691 27.695 27.700 27.705 27.709	51.9 51.1 50.5 50.0 49.0 48.5 47.9 47.4	22.027 22.284 22.538 22.789 23.037 23.281 23.523 23.763 24.001 24.238	90.7 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1491.4 1492.0 1492.7 1493.4 1494.6 1495.4 1496.1 1496.8 1497.6	28958.0 30048.1 31150.5 32265.1 33391.8 34530.2 35680.3 36841.9 38015.1 39199.6	1.7 .6 .6 .9 -1.1 -2.5 1.3 1.4
2500.0 2550.0 2600.0 2650.0 2750.0 2850.0 2850.0 2950.0	2470.3 2519.4 2568.5 2617.6 2666.6 2715.6 2764.7 2813.7 2862.7 2911.7	1.761 1.722 1.713 1.692 1.688 1.661 1.653 1.647 1.635	1.585 1.542 1.529 1.504 1.495 1.464 1.452 1.441 1.424	34.657 34.660 34.661 34.662 34.663 34.666 34.667 34.667 34.669 34.671	27.729 27.734 27.736 27.739 27.740 27.744 27.747 27.747 27.750 27.755	39.195 39.427 39.652 39.879 40.103 40.332 40.556 40.779 41.004 41.233	27.715 27.721 27.722 27.725 27.726 27.730 27.732 27.732 27.732 27.735 27.735	46.4 45.8 45.8 45.6 45.3 45.3 45.3 45.3	24.472 24.702 24.931 25.159 25.387 25.615 25.841 26.067 26.293 26.517	90.4 90.6 90.6 90.6 90.5 90.5 90.5	1498.2 1498.9 1499.7 1500.4 1501.3 1502.0 1502.8 1503.6 1504.4 1505.1	40395.5 41602.4 42820.3 44049.1 45288.9 46539.6 47801.1 49073.4 50356.4 51650.3	3 -1.4 -1.5 -8 6.1 -3 7.1
3000.0 3002.0	2960.7 2962.7	1.590 1.590	1.371 1.371	34.673 34.673	27.757 27.757	41.457 41.466	27.741 27.741	44.5 44.6	26.739 26.748	90.5 90.6	1505.9 1506.0	52954.7 53007.1	-1.0 .0

Station	37	Latitude	32° 22.	76'N	Longit	ıde 127°	47.91'W	26	Aug 1989	GMT O	3:35	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ^{TF}	$10^{6}/s^{2}$
.0 10.0 20.0 30.0 40.0 50.0 60.0 90.0	.0 10.0 19.9 29.9 39.9 49.8 59.8 69.8 79.7	19.386 19.388 19.396 19.730 19.632 19.310 17.743 17.473 16.955 16.912	19.386 19.386 19.392 19.724 19.625 19.301 17.733 17.461 16.942 16.897	33.495 33.496 33.499 33.795 33.791 33.902 34.002 34.125 34.127 34.153	23.774 23.775 23.776 23.916 23.939 24.107 24.574 24.734 24.859 24.890	23.774 23.819 23.862 24.046 24.112 24.324 24.836 25.039 25.209 25.283	23.774 23.775 23.775 23.915 23.937 24.105 24.572 24.731 24.856 24.886	411.6 411.8 412.2 399.1 397.3 381.7 337.4 310.9 308.3	.000 .412 .824 1.230 1.628 2.023 2.384 2.712 3.028 3.337	90.1 90.1 90.1 90.0 90.0 90.0 90.2 90.4 90.3	1518.7 1518.8 1519.0 1520.5 1520.3 1519.7 1515.5 1515.0 1513.7 1513.7	.0 2.1 8.2 18.5 32.7 50.9 72.9 98.3 126.9 158.6	.0 9 39.9 16.5 465.6 468.6 127.2 103.9 76.1
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	16.540 16.396 16.065 15.353 13.884 13.880 13.567 12.527 12.118 11.795	16.524 16.379 16.046 15.333 14.863 13.859 13.545 12.504 12.094 11.771	34.150 34.170 34.154 34.103 34.036 33.919 33.884 33.803 33.795 33.821	24.974 25.023 25.087 25.208 25.259 25.382 25.420 25.636 25.717	25.412 25.505 25.614 25.780 25.876 26.045 26.129 26.320 26.439 26.565	24.970 25.019 25.083 25.204 25.255 25.377 25.415 25.559 25.631 25.712	300.6 296.2 290.4 279.0 274.4 262.8 259.4 245.7 238.9 231.4	3.642 3.939 4.233 4.516 4.793 5.061 5.323 5.578 5.821 6.057	90.2 90.4 90.3 90.6 90.7 90.8 90.9 90.9 91.0	1512.8 1512.5 1511.6 1509.5 1508.1 1504.9 1500.5 1499.3 1498.4	193.3 231.1 271.7 315.3 361.6 410.6 462.3 516.5 573.2 632.3	132.3 21.9 112.3 24.9 84.0 27.0 85.5 254.3 40.8 59.2
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 248.8 258.8 268.7 278.6 288.6	11.045 10.667 9.835 9.491 9.172 8.943 8.752 8.591 8.229 8.195	11.020 10.642 9.810 9.466 9.146 8.916 8.724 8.563 8.200 8.165	33.810 33.783 33.799 33.850 33.895 33.919 33.951 33.951 34.006 34.004	25.846 25.892 26.047 26.143 26.230 26.285 26.340 26.349 26.463 26.467	26.742 26.835 27.038 27.181 27.315 27.417 27.517 27.622 27.735 27.784	25.841 25.888 26.042 26.139 26.226 26.281 26.336 26.395 26.459 26.463	219.1 214.8 199.9 190.9 182.7 177.5 177.5 167.0 160.8 160.6	6.283 6.502 6.708 6.901 7.091 7.270 7.444 7.613 7.777 7.938	91.0 91.2 91.1 91.0 91.0 91.0 91.0 91.0	1495.9 1494.7 1491.8 1490.8 1489.2 1488.6 1488.3 1487.1	693.7 757.2 822.9 890.5 960.0 1031.4 1104.5 1179.3 1275.7 1333.8	40.9 178.4 161.0 24.5 206.6 103.1 82.0 29.6 19.3
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.2 358.1 368.0 377.9 387.9	8.033 7.875 7.775 7.490 7.432 7.305 7.004 6.782 6.666 6.401	8.003 7.844 7.743 7.458 7.399 7.272 6.970 6.748 6.631 6.366	34.006 34.005 34.002 34.001 33.999 33.999 34.000 33.997 34.003	26.493 26.516 26.528 26.568 26.575 26.593 26.665 26.679 26.718	27.856 27.924 27.983 28.070 28.123 28.188 28.278 28.356 28.416 28.503	26.488 26.511 26.523 26.563 26.570 26.588 26.630 26.661 26.674 26.713	158.3 156.2 155.2 151.4 150.8 149.1 145.1 142.2 141.0 137.2	8.097 8.255 8.410 8.563 8.714 8.864 9.012 9.156 9.298 9.437	90.9 91.0 90.9 90.9 91.0 90.9 91.0 90.9	1486.6 1486.2 1486.0 1485.0 1484.6 1483.6 1482.9 1482.6 1481.7	1413.4 1494.6 1577.4 1661.7 1747.4 1834.7 1923.4 2013.6 2105.2 2198.2	22.8 20.7 65.2 7.4 10.7 28.2 34.3 34.3 12.9 55.9
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.3 477.2 487.1	6.167 5.954 5.903 5.840 5.779 5.725 5.650 5.652 5.635	6.132 5.919 5.867 5.803 5.742 5.687 5.651 5.651 5.595 5.595	34.015 34.034 34.038 34.046 34.053 34.060 34.065 34.071 34.074 34.080	26.758 26.800 26.809 26.824 26.837 26.849 26.857 26.867 26.871 26.876	28.591 28.680 28.736 28.797 28.856 28.914 28.969 29.024 29.075 29.125	26.753 26.795 26.805 26.819 26.832 26.844 26.853 26.862 26.866 26.871	133.4 129.3 128.5 127.2 126.1 125.0 124.3 123.5 123.2	9.572 9.704 9.833 9.961 10.087 10.213 10.337 10.462 10.585	90.9 90.9 90.9 90.8 90.8 90.8 90.8	1481.0 1480.3 1480.2 1480.1 1480.1 1480.1 1480.1 1480.2 1480.4	2292.5 2388.2 2485.1 2583.3 2682.8 2783.5 2885.4 2988.6 3093.0 3198.6	23.9 28.2 6.6 17.7 10.4 14.2 1.0 10.1 7.2 14.5
500.0 510.0 520.0 530.0 550.0 550.0 570.0 580.0 590.0	497.0 506.9 516.8 526.8 536.7 546.5 556.5 566.4 576.3 586.3	5.503 5.413 5.365 5.306 5.272 5.250 5.204 5.182 5.128 5.123	5.461 5.371 5.322 5.262 5.228 5.205 5.159 5.136 5.082 5.075	34.099 34.109 34.113 34.121 34.127 34.127 34.133 34.136 34.146 34.149	26.907 26.926 26.934 26.948 26.955 26.960 26.969 26.989 26.989	29.204 29.269 29.324 29.383 29.437 29.487 29.544 29.595 29.656 29.704	26.902 26.920 26.929 26.943 26.950 26.955 26.964 26.969 26.984 26.986	119.9 118.2 117.4 116.2 115.6 115.3 114.4 114.0 112.7 112.6	10.830 10.948 11.066 11.183 11.299 11.414 11.529 11.643 11.756 11.868	90.8 90.7 90.8 90.7 90.7 90.7 90.7 90.7	1480.0 1479.8 1479.8 1479.8 1479.8 1479.9 1479.8 1479.9	3305.4 3413.4 3522.6 3632.9 3744.3 3857.0 3970.7 4085.6 4201.6 4318.7	19.7 22.4 8.8 6.0 19.4 10.4 17.4 3.8
600.0 610.0 620.0 630.0 640.0 650.0 670.0 680.0 690.0	596.2 606.1 616.0 625.9 635.8 645.7 655.6 6665.5 675.5	5.100 5.019 5.002 4.872 4.790 4.789 4.774 4.752 4.690 4.631	5.052 4.970 4.952 4.823 4.739 4.738 4.722 4.700 4.637 4.578	34.158 34.158 34.158 34.184 34.193 34.192 34.194 34.197 34.209 34.222	27.002 27.011 27.014 27.048 27.065 27.064 27.068 27.072 27.090 27.106	29.760 29.817 29.865 29.947 30.011 30.056 30.105 30.156 30.219 30.283	26.997 27.006 27.008 27.043 27.059 27.059 27.062 27.066 27.083 27.100	111.6 110.8 110.6 107.3 105.7 105.9 105.7 105.3 103.7	11.981 12.092 12.203 12.311 12.417 12.523 12.629 12.735 12.839 12.942	90.7 90.7 90.7 90.7 90.8 90.7 90.6 90.8 90.7	1480.1 1479.9 1480.0 1479.7 1479.5 1479.7 1479.8 1479.8 1479.8	4436.9 4556.2 4676.6 4798.1 4924.2 5168.8 5294.5 5448.9	7.4 2.5 16.5 5.1 -2.8 8.9 13.6 26.8 19.7
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.8 754.7 764.6 774.5 784.4	4.552 4.457 4.383 4.352 4.347 4.341 4.295 4.236 4.213 4.199	4.498 4.403 4.328 4.296 4.290 4.283 4.237 4.178 4.154 4.139	34.239 34.265 34.287 34.294 34.305 34.309 34.322 34.328 34.331	27.128 27.159 27.185 27.194 27.202 27.203 27.212 27.228 27.236 27.240	30.353 30.431 30.503 30.558 30.613 30.659 30.715 30.778 30.831 30.881	27.123 27.153 27.179 27.187 27.196 27.197 27.206 27.222 27.229 27.233	100.0 97.1 94.7 93.9 93.1 93.1 92.4 90.8 90.2 89.9	13.043 13.142 13.238 13.332 13.426 13.519 13.612 13.703 13.794 13.884	90.6 90.8 90.8 90.7 90.8 90.7 90.7 90.7	1479.6 1479.4 1479.3 1479.3 1479.5 1479.6 1479.6 1479.6 1479.6	5677.6 5807.3 5938.0 6069.6 6202.1 6335.5 6469.9 6605.1 6741.3 6878.3	22.9 42.6 15.6 15.6 3.9 6.2 10.6 5.4 9.2
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.8 853.7 863.6 873.5 883.4	4.148 4.140 4.098 4.056 4.050 4.001 3.991 3.976 3.958 3.937	4.088 4.079 4.037 3.994 3.987 3.938 3.927 3.911 3.892 3.871	34.344 34.346 34.356 34.367 34.367 34.379 34.381 34.385 34.389	27.255 27.258 27.271 27.282 27.284 27.299 27.301 27.306 27.311 27.317	30.943 30.992 31.051 31.110 31.157 31.218 31.267 31.317 31.368 31.421	27.249 27.252 27.264 27.276 27.278 27.292 27.294 27.299 27.304 27.310	88.4 88.3 87.1 86.0 85.9 84.5 84.0 83.6 83.0	13.973 14.061 14.149 14.236 14.321 14.407 14.491 14.575 14.659 14.743	90.7 90.7 90.7 90.7 90.6 90.7 90.7 90.7	1479.7 1479.8 1479.8 1479.8 1480.0 1479.9 1480.1 1480.2 1480.3	7016.2 7155.0 7294.6 7435.1 7576.5 7718.7 7861.7 8005.5 8150.2 8295.7	3.9 5 10.4 8.0 -1.3 12.1 2.5 2.2 4.2 9.5
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.5 972.4 982.3	3.919 3.890 3.851 3.842 3.826 3.780 3.768 3.748 3.712 3.684	3.852 3.823 3.783 3.773 3.757 3.710 3.698 3.677 3.640 3.612	34.404 34.413 34.415 34.418 34.429 34.431 34.435 34.443 34.443	27.322 27.330 27.341 27.344 27.362 27.365 27.365 27.370 27.379 27.387	31.472 31.526 31.584 31.632 31.682 31.743 31.791 31.843 31.899 31.953	27.315 27.323 27.334 27.337 27.341 27.355 27.357 27.363 27.372 27.380	82.6 81.9 80.9 80.7 80.4 79.1 78.9 78.4 77.5	14.825 14.908 14.989 15.070 15.150 15.230 15.309 15.388 15.466 15.543	90.7 90.6 90.7 90.7 90.7 90.7 90.7 90.7	1480.4 1480.5 1480.5 1480.6 1480.7 1480.8 1480.9 1480.9 1481.0	8442.0 8589.1 8737.0 8885.7 9035.2 9185.5 9336.5 9488.4 9641.0 9794.3	7.8 16.8 6.9 3.4 3.7 21.8 6.0 14.8 3.7 6.6

Station	37	Latitude	32° 22.	76'N	Longitu	de 127°	47.91'W	26	Aug 1989	GMT O	3:35	Bottom	1500 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	TF m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0 1180.0	992.2 1012.0 1031.8 1051.5 1071.3 1091.1 1110.9 1130.6 1150.4 1170.2	3.662 3.609 3.598 3.570 3.542 3.510 3.480 3.448 3.417 3.372	3.589 3.535 3.523 3.464 3.430 3.365 3.365 3.333 3.286	34.453 34.461 34.467 34.467 34.481 34.483 34.487 34.491 34.498	27.392 27.404 27.407 27.413 27.420 27.430 27.435 27.441 27.448 27.448	32.004 32.109 32.203 32.301 32.401 32.502 32.599 32.697 32.795 32.898	27.385 27.397 27.399 27.406 27.413 27.427 27.427 27.433 27.440 27.450	76.4 75.3 75.2 74.7 74.1 73.3 72.9 72.4 71.9	15.620 15.771 15.922 16.071 16.220 16.368 16.514 16.659 16.804	90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7	1481.1 1481.2 1481.5 1481.7 1481.9 1482.1 1482.3 1482.5 1482.7 1482.9	9948.4 10258.9 10572.3 10888.6 11207.9 11530.1 11855.1 12183.0 12513.7 12847.2	2.8 4.7 1.1 9.8 5.5 6.7 7.0
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0 1380.0	1189.9 1209.7 1229.4 1249.2 1268.9 1288.7 1308.4 1328.2 1347.9 1367.7	3.350 3.302 3.221 3.217 3.204 3.151 3.144 3.109 3.091 3.066	3.263 3.214 3.132 3.127 3.112 3.058 3.049 3.013 2.993 2.967	34.501 34.507 34.519 34.519 34.521 34.521 34.529 34.533 34.535 34.535	27.462 27.472 27.489 27.499 27.502 27.505 27.511 27.515 27.520	32.994 33.097 33.206 33.299 33.393 33.496 33.589 33.687 33.783 33.879	27.454 27.464 27.480 27.481 27.483 27.494 27.502 27.506 27.510	70.6 69.1 68.1 68.0 67.0 66.9 66.4 65.8	17.088 17.229 17.367 17.503 17.639 17.774 17.908 18.042 18.174 18.306	90.8 90.6 90.6 90.7 90.6 90.7 90.6 90.7	1483.3 1483.3 1483.6 1483.9 1484.0 1484.3 1484.5 1484.5	13183.5 13522.6 13864.3 14208.8 14555.9 14905.6 15258.0 15612.9 15612.9 16330.6	7.0 2.1 -1.4 2.1 4.2 1.0 1.6 2.8
1400.0 1420.0 1440.0 1460.0 1480.0	1387.4 1407.2 1426.9 1446.6 1466.4 1486.1	3.034 2.988 2.955 2.923 2.894 2.862	2.934 2.887 2.853 2.820 2.788 2.755	34.540 34.545 34.548 34.550 34.552 34.556	27.524 27.532 27.538 27.542 27.546 27.552	33.975 34.076 34.174 34.270 34.366 34.464	27.515 27.523 27.529 27.533 27.537 27.543	65.3 64.6 64.1 63.7 63.3 62.8	18.437 18.567 18.695 18.823 18.950 19.076	90.6 90.6 90.6 90.6 90.6	1485.1 1485.3 1485.5 1485.7 1485.9 1486.1	16693.3 17058.5 17426.3 17796.5 18169.2 18544.4	3.9 4.2 3.7 4.0 6.9

Station	38	Latitude	32° 25.	87'N	Longitu	de 127°	46.16'W	26	Aug 1989	GMT 1	0:05	Bottom	480 m
Pres.	Depth	Temp.	Pot.T.	Sal	Sigma-0	Sigma-z	Sigma-t	Delta	Dyn.Ht	LTR	sv	TF	N ²
db	m	°C	*C	0/00	kg/m ³	kg/m ³	kg/m ³	$10^8 m^3/kg$	J/kg	0/0	m/s	m^3/s^2	$10^{6}/s^{2}$
.0	.0	19.357	19.357	33.483	23.772	23.772	23.772	411.7	.000	90.1	1518.6	.0	.0
10.0 20.0	10.0 19.9	19.361 19.359	19.360 19.355	33.484 33.483	23.773 23.772	23.816	23.772	412.1	.412	90.1	1518.7	2.1	B
30.0	29.9	19.674	19.668	33.796	23.931	23.859 24.061	23.772 23.930	412.5 397.7	.824 1.227	90.1 90.0	1518.9 1520.3	8.2 18.5	26.2 34.9
40.0	39.9	19.637	19.630	33.805	23.948	24.121	23.946	396.5	1.624	90.2	1520.4	32.7	26.4
50.0	49.8	19.306	19.296	33.962	24.154	24.370	24.151	377.2	2.017	89.9	1519.8	50.8	590.6
60.0 70.0	59.8 69.8	18.124 17.550	18.113 17.538	34.059 34.088	24.524 24.687	24.786 24.993	24.522 24.684	342.2 327.0	2.374 2.707	90.1	1516.7 1515.2	72.7 98.0	314.1 119.3
80.0	79.7	16.970	16.956	34.092	24.829	25.179	24.826	313.7	3.027	90.3	1513.7	126.6	43.3
90.0	89.7	16.773	16.758	34.148	24.918	25.312	24.915	305.6	3.337	90.4	1513.3	158.3	27.8
100.0	99.7	16.491	16.475	34.174	25.004	25.442	25.001	297.7	3.639	90.3	1512.6	193.0	65.8
110.0 120.0	109.6 119.6	16.275 15.543	16.257 15.525	34.163 34.115	25.046	25.528	25.042	294.0	3.935	90.2	1512.1	230.7	67.8
130.0	129.5	14.938	14.919	34.115	25.175 25.262	25.702 25.835	25.171 25.258	281.9 273.8	4.223 4.501	90.4	1510.0 1508.1	271.3 314.8	157.6 30.1
140.0	139.5	13.940	13.920	33.916	25.366	25.986	25,362	263.9	4.772	90.7	1504.9	360.9	184.6
150.0	149.4	13.282	13.261	33.827	25.433	26.098	25.428	257.8	5.032	90.8	1502.8	409.7	9.6
160.0 170.0	159.4 169.3	12.548 12.355	12.527	33.782	25.542	26.255	25.538	247.4	5.286	90.9	1500.4	461.0	124.6
180.0	179.3	11.823	12.333 11.800	33.767 33.793	25.569 25.690	26.326 26.494	25.565 25.685	245.1 233.7	5.532 5.772	91.0 90.9	1499.9 1498.3	514.8	48.4
190.0	189.2	11.340	11.317	33.791	25.778	26.628	25.773	225.4	6.002	91.0	1496.7	571.0 629.6	97.8 83.1
200.0	199.1	10.753	10.729	33,779	25.873	26.771	25.869	216.4	6.222	91.0	1494.8	690.4	133.9
210.0	209.1	9.877	9.853	33.812	26.050	26.996	26.046	199.5	6.432	90.9	1491.8	753.3	252.1
220.0 230.0	219.0	9.615 9.526	9.590	33.840	26.115	27.107	26.111	193.4	6.627	91.0	1491.1	818.2	40.9
240.0	229.0 238.9	9.321	9.501 9.295	33.849 33.929	26.137 26.232	27.175 27.316	26.132 26.228	191.5 182.5	6.820 7.008	91.0 91.0	1490.9 1490.4	985.0 953.7	88.9 57.0
250.0	248.8	8.984	8.957	33.935	26.291	27.422	26.287	177.0	7.188	91.0	1489.3	1024.3	33.2
260.0	258.8	8.735	8.708	33.937	26.331	27.509	26.327	173.2	7.363	90.9	1488.6	1096.5	29.9
270.0 280.0	268.7 278.6	8.544	8.516	33.958	26.378	27.602	26.374	168.9	7.534	90.9	1488.0	1170.5	70.3
290.0	288.6	8.340 8.174	8.311 8.144	33.976 33.987	26.423 26.457	27.694 27.774	26.419 26.453	164.7 161.6	7.701 7.864	91.0 90.9	1487.4 1487.0	1246.2 1323.5	64.7 44.5
300.0	298.5	8.054	8.024	33.999	26.485	27.847	26.480	159.1	8.024	91.0	1486.7		
310.0	308.4	7.981	7.949	34.001	26.497	27.905	26.492	158.1	8.182	91.0	1486.6	1402.4 1482.9	7.5 12.8
320.0	318.4	7.825	7.793	34.001	26.520	27.975	26.516	155.9	8.340	90.9	1486.2	1564.9	39.4
330.0 340.0	328.3 338.2	7.654 7.379	7.622	34.000	26.544	28.046	26.540	153.7	8.494	91.0	1485.7	1648.5	15.4
350.0	348.1	7.194	7.346 7.161	34.001 33.998	26.584 26.608	28.133 28.203	26.579 26.603	149.9 147.7	8.646 8.795	90.9	1484.8 1484.2	1733.6	46.4
360.0	358.1	6.962	6.929	33.999	26.640	28.283	26.635	144.6	8.941	90.9	1483.4	1820.2 1908.3	20.3 48.3
370.0	368.0	6.652	6.618	34.000	26.682	28.374	26.678	140.5	9.083	90.8	1482.4	1997.7	36.9
380.0 390.0	377.9 387.9	6.497 6.355	6.463 6.320	33.998 34.003	26.702 26.724	28.441 28.509	26.698	138.6	9.223	90.8	1481.9	2088.6	52.4
400.0	397.8	6.259	6.223	34.008	26.740		26.720	136.6	9.360	90.8	1481.5	2180.8	35.9
410.0	407.7	6.135	6.099	34.008	26.740	28.572 28.641	26.736 26.758	135.1 133.0	9.495 9.630	90.9 90.8	1481.3 1481.0	2274.4 2369.3	18.9 24.8
420.0	417.6	6.122	6.086	34.016	26.764	28.689	26.760	133.0	9.762	90.7	1481.1	2465.5	11.9
430.0	427.6	6.027	5.990	34.023	26.782	28.753	26.777	131.3	9.894	90.8	1480.9	2563.0	33.6
440.0 450.0	437.5	5.980 5.774	5.942 5.736	34.033 34.054	26.795 26.838	28.813	26.791	130.1	10.024	90.7	1480.9	2661.8	-13.0
460.0	457.3	5.675	5.636	34.067	26.860	28.903 28.972	26.834 26.855	126.1 124.0	10.152 10.277	90.7 90.6	1480.3 1480.0	2761.9 2863.3	3.9
			-								2100.0		

Station	39	Latitude	32 29.	06'N	Longit	ude 127°	44.10'W	26	Aug 198	9 GMT 1	1:36	Bottom	
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-6 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht g J/kg	LTR 0/0	SV m/s	m ^{TF}	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.9 49.8 59.8 79.7	19.272 19.271 19.273 19.275 19.647 19.477 18.667 17.718 17.266 16.922	19.272 19.269 19.270 19.270 19.640 19.468 18.656 17.706 17.253 16.907	33.447 33.446 33.447 33.780 33.874 34.009 34.009 34.089	23.767 23.767 23.767 23.927 24.024 24.325 24.586 24.756 24.844	23.767 23.810 23.854 23.897 24.100 24.240 24.585 24.891 25.105 25.238	23.767 23.766 23.766 23.766 23.925 24.021 24.322 24.753 24.753	412.3 412.6 413.0 413.3 398.5 389.6 361.2 336.6 320.7 312.6	.000 .412 .825 1.238 1.643 2.038 2.415 2.760 3.089 3.405	90.2 90.2 90.1 90.1 90.1 90.0 90.0 90.2	1518.3 1518.4 1518.6 1518.8 1520.4 1520.1 1518.2 1515.6 1514.5 1513.7	.0 2.1 8.2 18.5 32.9 51.2 73.5 99.2 128.4 160.7	-2.4 3 100.4 66.0 150.6 413.7 99.4 141.2 70.3
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	16.625 16.445 15.954 14.775 14.305 13.616 12.816 12.170 11.307 10.902	16.609 16.427 15.935 14.755 14.285 13.594 12.795 12.148 11.285 10.879	34.114 34.147 34.112 33.972 33.950 33.838 33.784 33.765 33.761	24.927 24.994 25.080 25.233 25.317 25.416 25.534 25.617 25.763 25.833	25.365 25.476 25.607 25.806 25.935 26.081 26.245 26.376 26.569 26.685	24.924 24.990 25.076 25.229 25.313 25.412 25.529 25.759 25.829	305.0 299.0 291.0 276.6 268.8 259.4 248.3 240.4 226.6 220.0	3.714 4.016 4.311 4.594 4.866 5.129 5.384 5.629 5.862 6.087	90.3 90.4 90.6 90.7 90.9 90.9 90.9	1513.0 1512.6 1511.2 1507.5 1506.1 1504.0 1501.4 1499.3 1496.4 1495.1	196.2 234.7 276.1 320.4 367.5 417.3 469.6 524.3 581.5 640.9	65.5 98.0 73.1 93.9 52.9 105.2 147.2 134.5 54.7
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.8 248.8 258.8 258.6 288.6	10.421 9.925 9.465 9.401 9.226 9.016 8.794 8.429 8.342 8.224	10.398 9.901 9.441 9.376 9.199 8.989 8.766 8.401 8.313 8.194	33.769 33.791 33.843 33.908 33.982 33.984 33.978 33.978 33.988	25.923 26.024 26.142 26.203 26.290 26.324 26.355 26.412 26.433 26.450	26.822 26.971 27.135 27.242 27.374 27.455 27.532 27.636 27.703 27.766	25.919 26.021 26.138 26.199 26.285 26.320 26.351 26.407 26.429 26.446	211.5 201.9 190.7 185.2 177.1 173.9 171.0 165.7 163.8 162.3	6.302 6.507 6.702 6.889 7.071 7.246 7.418 7.587 7.752 7.914	91.0 91.1 91.1 91.0 91.0 91.0 91.0 91.0	1493.6 1492.0 1490.5 1490.1 1489.5 1488.8 1487.6 1487.5	702.5 766.2 831.8 899.4 968.7 1039.9 1112.7 1187.2 1263.4 1341.2	114.2 181.2 81.3 45.0 55.2 26.7 47.8 43.6 8.5 14.6
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0	298.5 308.4 318.4 328.3 338.2 358.1 368.0 377.9 387.9	8.009 7.868 7.742 7.529 7.469 7.310 7.166 6.968 6.827 6.687	7.978 7.838 7.711 7.497 7.436 7.276 7.132 6.934 6.792 6.651	33.986 33.996 33.986 33.985 33.989 33.999 33.994 34.001 34.000	26.481 26.507 26.528 26.550 26.559 26.584 26.606 26.636 26.660	27.844 27.916 27.984 28.053 28.107 28.179 28.247 28.325 28.325 28.366	26.477 26.503 26.524 26.546 26.554 26.580 26.601 26.632 26.656 26.674	159.4 157.0 155.1 153.0 152.4 150.0 148.0 145.1 142.8 141.2	8.075 8.233 8.389 8.543 8.695 8.846 8.996 9.142 9.286 9.428	91.0 90.9 91.0 90.9 90.9 91.0 90.9 90.9	1486.5 1486.2 1485.8 1485.1 1485.1 1484.6 1484.2 1483.2 1482.9	1420.6 1501.6 1584.2 1668.2 1753.8 1840.9 1929.5 2019.5 2111.0 2203.8	26.3 27.4 44.1 8.3 20.0 13.3 36.4 37.8 6.4
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 477.2 487.1	6.542 6.420 6.347 6.164 6.051 5.925 5.867 5.720 5.659 5.578	6.506 6.384 6.310 6.127 6.013 5.886 5.828 5.681 5.619 5.537	34.006 34.011 34.008 34.001 34.017 34.018 34.027 34.033 34.039	26.702 26.722 26.730 26.752 26.769 26.798 26.823 26.836 26.851	28.531 28.598 28.652 28.722 28.786 28.854 28.908 28.980 29.039 29.101	26.698 26.717 26.725 26.748 26.765 26.786 26.793 26.818 26.831 26.846	138.9 137.1 136.5 134.3 132.7 130.7 130.7 127.7 126.5 125.2	9.568 9.707 9.843 9.979 10.112 10.244 10.374 10.502 10.630 10.755	90.9 90.9 90.9 90.8 90.8 90.8 90.8	1482.5 1482.1 1482.0 1481.4 1481.1 1480.8 1480.7 1480.3 1480.2 1480.1	2298.1 2393.8 2490.8 2589.1 2688.8 2789.8 2892.1 2995.6 3100.5 3206.5	13.4 12.3 13.4 8.7 23.3 15.4 37.4 15.1 14.2 27.9
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.8 526.8 536.7 546.6 556.5 566.4 576.3 586.3	5.524 5.726 5.703 5.359 5.369 5.266 5.217 5.449 5.262 5.131	5.483 5.683 5.659 5.315 5.324 5.221 5.172 5.401 5.214 5.083	34.046 34.109 34.118 34.101 34.121 34.118 34.112 34.163 34.159 34.156	26.863 26.888 26.898 26.926 26.951 26.951 26.955 26.983 26.997	29.159 29.227 29.283 29.361 29.421 29.478 29.525 29.581 29.648 29.709	26.858 26.883 26.893 26.921 26.935 26.945 26.946 26.960 26.978 26.991	124.1 122.1 121.3 118.3 117.1 116.1 115.3 113.4 112.1	10.880 11.003 11.125 11.245 11.363 11.479 11.596 11.711 11.826 11.939	90.8 90.7 90.8 90.7 90.7 90.7 90.7 90.7 90.7	1480.0 1481.1 1481.2 1479.9 1479.9 1479.9 1479.9 1481.0 1480.4	3313.8 3422.3 3532.1 3643.0 3755.1 3868.3 3982.7 4098.3 4215.0 4332.8	15.3 10.4 3.7 12.7 23.6 7.4 5 7.2 20.4 13.0
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.6 655.5 675.5 685.3	4.952 4.892 4.842 4.764 4.768 4.662 4.661 4.558 4.543	4.904 4.843 4.793 4.715 4.698 4.6550 4.550 4.514 4.505 4.489	34.157 34.169 34.174 34.191 34.190 34.208 34.224 34.230 34.236 34.241	27.018 27.034 27.044 27.066 27.068 27.091 27.110 27.119 27.125 27.130	29.779 29.842 29.898 29.967 30.014 30.085 30.151 30.257 30.309	27.013 27.029 27.038 27.060 27.062 27.086 27.105 27.114 27.119 27.124	109.9 108.4 107.6 105.5 105.4 103.1 101.4 100.6 100.2 99.7	12.050 12.159 12.267 12.373 12.479 12.583 12.685 12.786 12.887 12.987	90.8 90.8 90.7 90.8 90.7 90.9 90.7 90.7	1479.5 1479.4 1479.3 1479.3 1479.2 1479.1 1479.1 1479.1	4451.7 4571.6 4692.7 4814.8 4937.9 5062.1 5187.3 5313.5 5440.7 5568.9	30.0 3.3 5.9 3.9 .7 37.6 9.7 2.7 13.3 7.7
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5 784.4	4.533 4.516 4.465 4.408 4.373 4.341 4.319 4.293 4.273 4.260	4.479 4.461 4.410 4.352 4.317 4.284 4.261 4.235 4.214 4.200	34.242 34.247 34.262 34.280 34.292 34.301 34.306 34.316 34.327 34.331	27.133 27.138 27.156 27.177 27.190 27.200 27.206 27.217 27.229 27.233	30.357 30.409 30.472 30.540 30.600 30.656 30.709 30.766 30.823 30.874	27.127 27.132 27.149 27.171 27.184 27.194 27.200 27.211 27.223 27.227	99.6 99.1 97.5 95.6 94.4 92.9 91.9 90.9	13.086 13.186 13.284 13.381 13.476 13.570 13.663 13.755 13.847 13.938	90.8 90.8 90.7 90.7 90.7 90.8 90.7 90.7 90.7	1479.5 1479.6 1479.6 1479.5 1479.6 1479.7 1479.8 1479.9 1480.0	5698.0 5828.1 5959.2 6091.3 6224.3 6358.2 6493.1 6628.9 6765.5 6903.1	3.6 13.6 9.2 13.3 7.7 1.3 13.6 6.3 14.5 3.6
800.0 810.0 820.0 830.0 850.0 860.0 870.0 870.0 890.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.250 4.224 4.201 4.176 4.147 4.080 4.040 4.035 4.010 3.980	4.190 4.163 4.139 4.113 4.083 4.016 3.976 3.976 3.970 3.944 3.913	34.334 34.341 34.346 34.352 34.359 34.369 34.375 34.375 34.380 34.387	27.236 27.245 27.251 27.259 27.268 27.283 27.291 27.292 27.299 27.308	30.923 30.977 31.030 31.083 31.139 31.201 31.256 31.303 31.355 31.410	27.230 27.239 27.245 27.252 27.261 27.276 27.285 27.286 27.292 27.301	90.4 89.6 89.1 88.4 87.6 86.2 85.4 84.9 84.0	14.028 14.118 14.208 14.296 14.384 14.471 14.557 14.643 14.728 14.812	90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7	1480.1 1480.2 1480.2 1480.3 1480.4 1480.3 1480.3 1480.5 1480.5	7041.5 7180.9 7321.1 7462.2 7604.1 7746.9 7890.6 8035.1 8180.5 8326.6	2 6.3 3.1 2.2 25.9 5.1 5.7 1.9 17.7
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.6 962.5 972.4 982.3	3.953 3.906 3.846 3.794 3.764 3.725 3.692 3.664 3.655 3.596	3.886 3.839 3.778 3.726 3.695 3.656 3.652 3.593 3.584 3.524	34.392 34.403 34.416 34.425 34.431 34.446 34.446 34.455 34.456 34.466	27.314 27.327 27.344 27.356 27.364 27.375 27.384 27.394 27.396 27.410	31.463 31.523 31.587 31.646 31.700 31.757 31.813 31.869 31.917 31.978	27.307 27.321 27.337 27.350 27.357 27.368 27.377 27.387 27.389 27.403	83.4 82.2 80.6 79.4 78.7 77.7 76.9 76.0 75.9 74.5	14.896 14.979 15.060 15.140 15.219 15.2297 15.375 15.451 15.527 15.602	90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7	1480.6 1480.5 1480.5 1480.5 1480.5 1480.5 1480.5 1480.7 1480.7	8473.6 8621.4 8770.0 8919.4 9069.6 9220.6 9372.3 9524.8 9678.0 9831.9	5.7 9.5 19.2 6.6 8.3 3.4 5.7 3.4 12.8

Station	39	Latitude	32. 29.0	06'N	Longitu	de 127°	44.10'W	26	Aug 1989	GMT 11	:36	Bottom	1500 m
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-θ kg/m ³	sigma-z kg/m ³	sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0 1180.0	992.2 1012.0 1031.8 1051.5 1071.3 1091.1 1110.8 1130.6 1150.4 1170.2	3.576 3.549 3.461 3.430 3.350 3.336 3.336 3.266 3.237	3.503 3.475 3.386 3.354 3.271 3.256 3.226 3.183 3.153	34.470 34.485 34.487 34.499 34.505 34.507 34.511 34.514	27.415 27.421 27.438 27.443 27.447 27.460 27.466 27.471 27.478 27.483	32.029 32.128 32.238 32.335 32.430 32.537 32.634 32.731 32.830 32.927	27.407 27.414 27.431 27.435 27.439 27.458 27.458 27.463 27.470 27.475	74.1 73.5 71.9 71.6 71.3 70.6 69.2 68.6 68.2	15.677 15.824 15.970 16.113 16.256 16.397 16.537 16.676 16.814 16.951	90.6 90.6 90.6 90.7 90.7 90.7 90.6 90.6	1480.7 1481.0 1480.9 1481.1 1481.4 1481.5 1481.8 1482.0 1482.1 1482.3	9986.6 10298.1 10612.5 10929.7 11249.8 11572.6 11898.1 12226.4 12557.4 12891.0	2.2 1.9 11.0 3.7 4.6 4 2.6 1.4 1.1
1200.0 1220.0 1240.0 1260.0 1280.0 1300.0 1320.0 1340.0 1360.0 1380.0	1189.9 1209.7 1229.4 1249.2 1268.9 1288.7 1308.4 1328.2 1347.9 1367.7	3.200 3.180 3.149 3.113 3.066 3.037 2.997 2.974 2.936 2.889	3.114 3.093 3.061 3.023 2.975 2.945 2.993 2.880 2.840 2.792	34.519 34.521 34.524 34.528 34.533 34.537 34.541 34.543 34.547 34.552	27.490 27.499 27.507 27.515 27.520 27.528 27.531 27.538 27.546	33.027 33.122 33.219 33.319 33.420 33.517 33.617 33.713 33.811 33.912	27.482 27.486 27.491 27.498 27.507 27.512 27.519 27.523 27.529 27.538	67.3 66.3 66.3 65.5 65.0 64.3 64.3 63.4 62.6	17.087 17.222 17.356 17.489 17.620 17.751 17.880 18.009 18.136 18.262	90.7 90.6 90.7 90.6 90.7 90.7 90.6 90.7 90.6	1482.5 1482.8 1483.0 1483.1 1483.3 1483.7 1483.7 1483.9 1484.1 1484.2	13227.3 13566.3 13907.8 14252.0 14598.8 14948.1 15299.9 15654.3 16011.1 16370.5	1.7 2.3 4.1 .3 2.9 1.2 .0 3.6 3.9
1400.0 1420.0 1440.0 1460.0 1480.0 1500.0 1516.0	1387.4 1407.2 1426.9 1446.6 1466.4 1486.1 1501.9	2.870 2.826 2.792 2.765 2.755 2.714 2.693	2.771 2.726 2.691 2.663 2.651 2.609 2.587	34.554 34.558 34.562 34.564 34.565 34.570 34.572	27.550 27.557 27.563 27.567 27.569 27.576 27.580	34.007 34.107 34.205 34.301 34.394 34.494 34.571	27.541 27.548 27.554 27.559 27.560 27.567 27.571	62.4 61.7 61.2 60.8 60.7 60.0 59.7	18.387 18.511 18.634 18.756 18.877 18.998 19.093	90.6 90.6 90.6 90.7 90.6 90.7	1484.5 1484.6 1484.8 1485.0 1485.3 1485.5 1485.7	16732.2 17096.4 17463.0 17831.9 18203.2 18576.9 18877.5	10.0 8.3 3.9 2 2.8 1.9

Station	40	Latitude	32° 32	.21'N	Longit	tude 127°	42.85'W	2	6 Aug 198	9 GMT 1	3:09	Bottom	3200 m
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma- kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht g J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.8 59.8 69.8 79.7	19.260 19.267 19.266 19.276 19.615 19.626 19.084 17.716 17.191 17.050	19.260 19.265 19.263 19.271 19.607 19.617 19.073 17.704 17.178 17.036	33.449 33.449 33.452 33.740 33.827 33.906 33.986 34.056 34.088	23.771 23.770 23.770 23.771 23.904 23.968 24.168 24.569 24.749 24.807	23.771 23.813 23.857 23.901 24.077 24.185 24.428 24.874 25.098 25.200	23.771 23.769 23.769 23.770 23.903 23.966 24.165 24.566 24.746 24.803	411.9 412.3 412.7 413.0 400.7 394.9 376.3 338.3 321.4 316.2	.000 .412 .825 1.237 1.643 2.040 2.430 2.784 3.115 3.434	90.1 90.2 90.2 90.2 90.1 90.1 90.1 90.1 90.3	1518.3 1518.4 1518.6 1518.8 1520.2 1520.5 1519.3 1514.3 1514.1	.0 2.1 8.2 18.5 32.9 51.2 73.5 99.5 128.9 161.5	-5.2 2 8.2 38.1 38.0 289.0 168.8 91.7 36.6
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3	16.726 16.555 15.655 15.041 13.945 13.020 12.643 11.867 11.355 10.835	16.710 16.538 15.637 15.021 13.925 12.999 12.622 11.845 11.333 10.812	34.089 34.146 34.094 34.030 33.929 33.826 33.774 33.764 33.757	24.884 24.969 25.134 25.220 25.376 25.558 25.666 25.754 25.842	25.321 25.450 25.661 25.793 25.995 26.271 26.426 26.559 26.694	24.880 24.964 25.130 25.216 25.372 25.499 25.554 25.662 25.750 25.838	309.2 301.4 285.9 277.8 263.1 251.0 245.9 235.7 227.5 219.1	3.746 4.051 4.345 4.627 4.898 5.155 5.403 5.646 5.877 6.101	90.3 90.4 90.5 90.7 90.9 90.8 91.0 91.0	1513.3 1513.0 1510.3 1508.4 1504.9 1501.9 1500.8 1498.2 1496.6 1494.9	197.3 236.1 277.9 322.6 370.0 420.0 472.5 527.5 584.8 644.3	60.3 121.8 68.6 68.8 116.6 127.6 65.7 189.2 46.8 61.3
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 248.8 258.8 268.7 278.6 288.6	10.371 10.053 9.693 9.378 8.994 8.758 8.605 8.443 8.259 8.150	10.347 10.029 9.669 9.352 8.968 8.732 8.578 8.415 8.230 8.121	33.757 33.788 33.820 33.876 33.876 33.946 33.962 33.963 33.963	25.923 26.001 26.086 26.179 26.243 26.359 26.359 26.425 26.425	26.822 26.947 27.079 27.218 27.329 27.431 27.537 27.621 27.696 27.775	25.919 25.997 26.082 26.175 26.239 26.294 26.355 26.392 26.421 26.454	211.5 204.1 196.1 187.4 181.3 176.2 170.6 167.1 164.5 161.5	6.317 6.524 6.723 6.913 7.099 7.277 7.450 7.619 7.784 7.947	91.1 91.1 91.0 91.0 91.0 91.0 91.0 91.0	1493.4 1492.4 1491.3 1490.4 1489.1 1488.4 1488.1 1487.7 1487.1 1486.9	706.1 769.9 835.7 903.5 973.1 1044.5 1117.7 1192.6 1269.1 1347.2	131.8 130.3 124.7 83.9 115.2 68.8 43.3 45.4 32.2 21.9
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.2 358.1 368.0 377.9 387.9	8.028 7.980 7.756 7.584 7.412 7.209 7.066 6.919 6.780 6.685	7.998 7.949 7.724 7.552 7.379 7.176 7.032 6.885 6.745 6.650	33.991 33.985 33.986 33.999 33.999 33.994 33.992 33.997 34.001	26.482 26.491 26.517 26.543 26.579 26.622 26.641 26.663 26.679	27.845 27.899 27.972 28.045 28.126 28.195 28.264 28.330 28.399 28.461	26.478 26.486 26.513 26.538 26.573 26.595 26.618 26.636 26.658 26.674	159.3 158.6 156.2 153.8 150.6 148.5 146.4 144.7 142.6 141.1	8.108 8.267 8.424 8.579 8.731 8.880 9.028 9.174 9.317 9.459	91.0 90.9 90.9 90.9 90.9 90.9 90.8 90.9	1486.6 1485.9 1485.9 1485.4 1484.9 1484.2 1483.8 1483.4 1483.1 1482.8	1426.9 1508.2 1591.1 1675.5 1761.5 1848.9 1937.8 2028.2 2119.9 2213.1	15.7 45.0 22.7 28.0 18.0 13.0 14.1 34.9 18.5 23.7
400.0 410.0 420.0 430.0 440.0 450.0 470.0 480.0 490.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.3 477.2	6.530 6.406 6.337 6.225 6.073 5.948 5.859 5.745 5.718 5.785	6.494 6.369 6.300 6.187 6.035 5.909 5.820 5.705 5.677 5.743	33.998 33.999 34.000 34.005 34.012 34.027 34.033 34.052 34.098	26.698 26.715 26.724 26.741 26.762 26.784 26.806 26.825 26.844 26.872	28.527 28.591 28.646 28.709 28.778 28.847 28.981 29.046 29.119	26.693 26.710 26.719 26.736 26.757 26.779 26.801 26.820 26.839 26.867	139.4 137.8 137.0 135.4 133.4 131.4 129.3 127.5 125.9 123.4	9.599 9.737 9.875 10.011 10.145 10.278 10.408 10.536 10.664 10.788	90.8 90.8 90.8 90.8 90.8 90.8 90.7 90.7	1482.4 1482.1 1482.0 1481.7 1480.9 1480.7 1480.4 1480.5 1481.0	2307.7 2403.6 2501.0 2599.6 2699.6 2801.0 2903.6 3007.5 3112.6 3219.0	23.1 9.0 14.6 27.2 25.7 14.8 15.1 27.4 47.6
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.8 526.8 536.7 546.6 556.5 566.4 576.3 586.3	5.618 5.687 5.592 5.509 5.455 5.336 5.337 5.177 5.264 5.126	5.576 5.644 5.548 5.465 5.410 5.291 5.291 5.217 5.078	34.101 34.127 34.127 34.132 34.130 34.128 34.147 34.143 34.171 34.169	26.895 26.907 26.919 26.932 26.938 26.950 26.965 26.965 26.993 27.008	29.189 29.247 29.305 29.365 29.417 29.477 29.537 29.601 29.657 29.720	26.889 26.902 26.913 26.927 26.932 26.945 26.959 26.959 26.987 27.002	121.2 120.3 119.2 117.9 117.5 116.3 115.0 113.4 112.5 111.0	10.910 11.031 11.151 11.270 11.388 11.504 11.620 11.734 11.847 11.959	90.8 90.8 90.8 90.8 90.8 90.7 90.8	1480.5 1481.0 1480.8 1480.6 1480.5 1480.2 1480.4 1479.9 1480.5 1480.1	3326.6 3435.4 3545.4 3656.6 3769.0 3882.5 3997.1 4112.9 4347.8	27.1 18.9 17.7 -1.6 5.7 7.5 10.1 9.5 7.2 4.2
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.6 655.6 665.5 675.4 685.3	5.082 4.892 4.856 4.766 4.722 4.640 4.548 4.524 4.505	5.034 4.844 4.807 4.717 4.672 4.628 4.589 4.496 4.471 4.452	34.173 34.167 34.182 34.187 34.197 34.204 34.211 34.226 34.231 34.238	27.016 27.033 27.049 27.063 27.076 27.087 27.096 27.118 27.125 27.133	29.775 29.840 29.902 29.963 30.023 30.080 30.136 30.205 30.258 30.312	27.010 27.028 27.043 27.057 27.070 27.081 27.090 27.112 27.119 27.127	110.3 108.6 107.1 105.8 104.6 103.6 102.8 100.7 100.1 99.5	12.070 12.179 12.287 12.393 12.498 12.602 12.705 12.807 12.907 13.007	90.7 90.7 90.7 90.7 90.7 90.7 90.8 90.7 90.7	1480.0 1479.4 1479.5 1479.3 1479.3 1479.2 1479.1 1479.1 1479.2	4466.9 4587.0 4708.3 4830.6 4953.9 5078.3 5203.7 5330.1 5457.5 5585.9	17.4 21.2 10.6 15.0 17.6 17.4 4.5 12.9 3.9 1.8
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 754.8 754.7 764.6 774.5 784.4	4.506 4.484 4.435 4.401 4.380 4.321 4.306 4.302 4.294 4.297	4.452 4.429 4.380 4.345 4.264 4.248 4.243 4.235 4.237	34.254 34.266 34.275 34.281 34.291 34.294 34.297 34.305 34.317 34.332	27.145 27.157 27.170 27.178 27.188 27.197 27.201 27.208 27.218 27.229	30.370 30.427 30.487 30.542 30.598 30.653 30.704 30.756 30.812 30.869	27.139 27.151 27.164 27.172 27.182 27.191 27.195 27.202 27.212 27.212	98.4 97.4 96.2 95.4 94.6 93.7 93.3 92.9 92.0	13.106 13.204 13.300 13.396 13.491 13.585 13.679 13.772 13.865 13.956	90.9 90.7 90.8 90.7 90.8 90.8 90.8 90.7 90.7	1479.4 1479.5 1479.5 1479.5 1479.6 1479.6 1479.8 1479.9 1480.1	5715.2 5845.5 5976.8 6109.0 6242.2 6376.3 6511.3 6647.2 6784.0 6921.8	11.2 12.4 9.5 3.0 5.1 1.8 11.5 8.9 16.5 16.8
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 890.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.252 4.192 4.207 4.135 4.102 4.091 4.044 4.022 3.986 3.963	4.191 4.131 4.145 4.072 4.039 4.027 3.980 3.957 3.921 3.896	34.329 34.337 34.353 34.357 34.361 34.364 34.376 34.381 34.388 34.397	27.233 27.245 27.256 27.268 27.274 27.278 27.292 27.299 27.308 27.317	30.919 30.978 31.035 31.093 31.146 31.195 31.256 31.309 31.364 31.420	27.226 27.239 27.250 27.261 27.267 27.271 27.285 27.292 27.301 27.310	90.7 89.6 88.6 87.5 87.0 86.7 85.4 84.8 84.0	14.047 14.137 14.226 14.314 14.402 14.488 14.575 14.660 14.744 14.828	90.7 90.7 90.7 90.7 90.7 90.7 90.6 90.7	1480.1 1480.0 1480.3 1480.1 1480.2 1480.3 1480.3 1480.4 1480.4	7060.4 7199.9 7340.3 7481.6 7623.7 7766.7 7910.5 8055.2 8200.7 8347.0	8.0 14.8 6.6 11.3 6.6 9.2 7.2 8.0 10.1 13.0
900.0 910.0 920.0 930.0 950.0 950.0 970.0 980.0 990.0	893.3 903.2 913.1 923.0 932.9 942.8 952.6 962.5 972.4 982.3	3.937 3.905 3.885 3.884 3.817 3.800 3.785 3.757 3.741 3.725	3.870 3.837 3.817 3.775 3.748 3.730 3.714 3.686 3.669 3.652	34.401 34.406 34.410 34.418 34.423 34.426 34.429 34.435 34.439 34.439	27.323 27.330 27.335 27.346 27.353 27.361 27.361 27.362 27.373 27.378	31.472 31.526 31.577 31.634 31.688 31.738 31.788 31.842 31.842 31.942	27.316 27.323 27.329 27.339 27.346 27.350 27.354 27.362 27.366 27.370	82.6 81.9 81.5 80.5 79.9 79.5 79.2 78.5 78.1	14.910 14.993 15.074 15.155 15.235 15.315 15.394 15.473 15.552 15.630	90.7 90.7 90.6 90.7 90.7 90.7 90.7 90.7 90.7	1480.5 1480.6 1480.6 1480.6 1480.7 1480.8 1480.9 1481.0 1481.1	8494.2 8642.1 8790.9 8940.4 9090.8 9241.9 9393.8 9546.5 9699.9 9854.1	7.5 1.9 4.3 4.0 6.3 4.0 10.1 5.7 4.9

Station	40	Latitude	32. 32.2	1'N	Longitu	ide 127°	42.85'W	26	Aug 1989	GMT 13	3:09	Bottom	3200 m
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0 1120.0 1140.0 1160.0	992.2 1012.0 1031.8 1051.5 1071.3 1091.1 1110.8 1130.6 1150.4	3.701 3.627 3.603 3.548 3.497 3.462 3.417 3.362 3.328 3.295	3.627 3.553 3.527 3.471 3.419 3.383 3.336 3.280 3.245 3.210	34.446 34.469 34.478 34.489 34.492 34.497 34.504 34.507 34.511	27.383 27.402 27.412 27.424 27.438 27.444 27.452 27.463 27.469 27.476	31.994 32.106 32.208 32.313 32.419 32.517 32.618 32.721 32.819 32.918	27.376 27.394 27.404 27.417 27.430 27.436 27.444 27.445 27.461 27.468	77.3 75.5 74.8 73.6 72.4 71.9 71.1 70.1 69.7 69.1	15.707 15.860 16.010 16.158 16.304 16.449 16.592 16.733 16.873 17.011	90.7 90.6 90.6 90.6 90.7 90.7 90.7 90.7 90.6	1481.2 1481.3 1481.5 1481.6 1481.8 1482.1 1482.2 1482.4 1482.6	10009.1 10321.3 10636.4 10954.5 11275.5 11599.3 11925.9 12255.2 12587.3 12922.2	14.0 11.6 10.5 7.5 8.4 2.9 4.0 3.5 1.1
1200.0 1220.0 1240.0 1260.0 1380.0 1320.0 1340.0 1360.0 1380.0	1189.9 1209.7 1229.4 1249.2 1268.7 1308.4 1328.2 1347.9 1367.7	3.248 3.220 3.180 3.138 3.098 3.064 3.038 3.000 2.971 2.940	3.162 3.133 3.092 3.049 3.007 2.972 2.945 2.905 2.875 2.843	34.518 34.520 34.525 34.529 34.533 34.536 34.538 34.541 34.544 34.547	27.486 27.490 27.498 27.504 27.512 27.517 27.521 27.528 27.533 27.538	33.020 33.117 33.217 33.316 33.416 33.513 33.609 33.708 33.804 33.902	27.477 27.482 27.489 27.504 27.509 27.513 27.519 27.524 27.529	68.2 67.1 66.5 65.8 65.4 65.1 64.5 64.1	17.149 17.285 17.420 17.553 17.686 17.817 17.948 18.077 18.206 18.333	90.7 90.6 90.7 90.6 90.6 90.6 90.6 90.6	1482.7 1482.9 1483.1 1483.3 1483.6 1483.8 1484.0 1484.2 1484.4	13259.7 13599.9 13942.7 14288.2 14636.2 14986.8 15340.0 15695.7 16053.9 16414.6	1.2 2.6 3.5 2.4 7.4 3.3 1.8 4.8
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0	1387.4 1407.2 1426.9 1446.6 1466.4 1486.1 1505.8 1525.6 1545.3 1565.0	2.907 2.890 2.852 2.799 2.760 2.721 2.695 2.676 2.637 2.618	2.808 2.789 2.751 2.697 2.657 2.589 2.569 2.528 2.508	34.551 34.553 34.557 34.560 34.564 34.567 34.570 34.571 34.575 34.576	27.544 27.548 27.554 27.561 27.568 27.574 27.578 27.581 27.587 27.587	34.000 34.095 34.194 34.294 34.392 34.491 34.587 34.681 34.780 34.874	27.535 27.539 27.545 27.559 27.559 27.565 27.569 27.572 27.578 27.578	63.0 62.8 62.2 61.5 60.9 60.3 59.9 59.7 59.1	18.460 18.586 18.711 18.834 18.956 19.077 19.198 19.317 19.436 19.554	90.6 90.6 90.6 90.6 90.5 90.5 90.6	1484.6 1484.9 1485.1 1485.2 1485.3 1485.7 1486.0 1486.1 1486.4	16777.8 17143.4 17511.5 17882.0 18254.9 18630.1 19007.7 19387.6 19769.8 20154.3	3.3 4.2 3.1 1.3 1.0 4.3 3.7 1.6 3.7
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.7 1604.4 1624.2 1643.9 1663.6 1683.3 1703.0 1722.7 1742.4 1762.1	2.593 2.555 2.527 2.504 2.475 2.448 2.415 2.382 2.384 2.338	2.481 2.442 2.413 2.388 2.359 2.330 2.296 2.262 2.242 2.215	34.580 34.583 34.584 34.587 34.589 34.592 34.594 34.596 34.597 34.601	27.595 27.601 27.605 27.609 27.613 27.618 27.622 27.627 27.630 27.635	34.971 35.069 35.164 35.260 35.356 35.452 35.645 35.739 35.836	27.586 27.591 27.595 27.600 27.604 27.608 27.612 27.617 27.620 27.625	58.4 57.8 57.5 57.1 56.7 55.9 55.4 55.2 54.7	19.671 19.787 19.903 20.017 20.131 20.244 20.356 20.468 20.578 20.688	90.6 90.6 90.6 90.6 90.6 90.5 90.7 90.6	1486.6 1486.8 1487.3 1487.5 1487.7 1487.7 1488.1 1488.3 1488.6	20541.1 20930.2 21321.5 21715.0 22110.8 22508.7 22908.9 23311.2 23715.6 24122.2	-1.2 2.0 5.3 2.0 5.0 1.5
1800.0 1820.0 1840.0 1860.0 1980.0 1920.0 1940.0 1960.0	1781.8 1801.5 1821.2 1840.9 1860.6 1880.3 1900.0 1919.7 1939.4 1959.1	2.308 2.289 2.251 2.230 2.217 2.198 2.188 2.180 2.157 2.142	2.183 2.163 2.124 2.102 2.087 2.067 2.056 2.046 2.021 2.005	34.604 34.606 34.608 34.609 34.610 34.613 34.615 34.615 34.618	27.640 27.643 27.648 27.651 27.653 27.657 27.659 27.660 27.664 27.666	35.932 36.027 36.124 36.218 36.311 36.406 36.499 36.591 36.686 36.779	27.629 27.632 27.638 27.640 27.642 27.648 27.648 27.649 27.653 27.655	54.2 53.9 53.4 53.2 53.1 52.7 52.5 52.5 52.1	20.797 20.905 21.013 21.119 21.226 21.331 21.436 21.541 21.646 21.750	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1488.8 1489.0 1489.2 1489.4 1489.7 1490.0 1490.3 1490.6 1490.8 1491.1	24530.9 24941.7 25354.5 25769.5 26186.5 26605.5 27026.6 27449.7 27874.8 28302.0	2 5 4 6.3 -1.1 4 6.3 3.4
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2300.0 2400.0 2450.0	1978.8 2028.0 2077.1 2126.3 2175.5 2224.7 2273.8 2322.9 2372.1 2421.2	2.128 2.096 2.066 2.005 1.922 1.896 1.863 1.837 1.817	1.989 1.954 1.920 1.855 1.769 1.739 1.703 1.673 1.649	34.621 34.624 34.627 34.633 34.641 34.643 34.649 34.650 34.650	27.669 27.674 27.679 27.689 27.706 27.706 27.711 27.716 27.719 27.722	36.873 37.105 37.336 37.574 37.816 38.046 38.277 38.507 38.735 38.964	27.658 27.663 27.667 27.677 27.690 27.699 27.703 27.706 27.710	51.7 51.3 50.9 49.9 48.5 48.2 47.4 47.2 47.0	21.854 22.111 22.367 22.619 22.865 23.107 23.347 23.585 23.821 24.057	90.6 90.5 90.6 90.6 90.6 90.6 90.6	1491.3 1492.1 1492.8 1493.3 1493.8 1494.6 1495.3 1496.0 1496.8 1497.5	28731.1 29812.7 30906.7 32012.9 33131.1 34261.0 35402.4 36555.4 37719.7 38895.4	1.4 .9 1.5 5.6 -1.4 3.1 -1.8
2500.0 2550.0 2600.0 2700.0 2700.0 2750.0 2800.0 2900.0 2950.0	2470.3 2519.4 2568.4 2617.5 2666.5 2715.6 2764.6 2813.6 2862.6 2911.6	1.789 1.773 1.746 1.730 1.717 1.704 1.691 1.662 1.641	1.612 1.592 1.561 1.541 1.523 1.506 1.489 1.464 1.451	34.654 34.655 34.659 34.661 34.662 34.664 34.666 34.666 34.668	27.724 27.727 27.731 27.733 27.736 27.739 27.741 27.744 27.746 27.749	39.189 39.416 39.645 39.871 40.097 40.323 40.548 40.775 40.998 41.225	27.711 27.713 27.717 27.720 27.722 27.724 27.726 27.729 27.730 27.734	47.0 46.9 46.5 46.3 46.2 46.1 46.0 45.7 45.7	24.292 24.527 24.760 24.992 25.223 25.454 25.684 25.913 26.142 26.370	90.5 90.5 90.5 90.6 90.5 90.5 90.5 90.5	1498.3 1499.1 1499.8 1500.6 1501.4 1502.2 1503.0 1503.7 1504.6 1505.3	40082.3 41280.5 42489.9 43710.4 44942.1 46184.7 47438.4 48703.0 49978.6 51265.1	1.2 3.6 4 7 1 1.2 2.1 -2.6
3000.0 3012.0	2960.6 2972.4	1.627 1.622	1.407 1.401	34.670 34.670	27.752 27.753	41.449 41.503	27.736 27.736	45.3 45.2	26.597 26.651	90.5 90.5	1506.1 1506.3	52562.4 52875.4	.5

Station	41	Latitude	32. 39	.75'N	Longit	ude 127°	37.44'W	26	Aug 1989	GMT 1	5:44	Bottom	4325 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-6 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht g J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.8 59.8 69.8 79.7	19.311 19.314 19.317 19.324 19.319 19.629 19.013 17.793 17.085 16.968	19.311 19.312 19.313 19.318 19.312 19.620 19.002 17.781 17.072 16.953	33.497 33.498 33.501 33.499 33.897 33.964 34.045 34.004	23.795 23.795 23.796 23.796 23.796 23.952 24.230 24.595 24.734 24.833	23.795 23.838 23.882 23.926 23.969 24.491 24.900 25.084 25.226	23.795 23.794 23.795 23.795 23.950 24.228 24.592 24.731 24.829	409.6 410.0 410.3 410.6 411.0 396.4 370.3 335.8 322.8 313.7	.000 .410 .820 1.230 1.641 2.045 2.437 2.786 3.116 3.434	90.1 90.2 90.3 90.2 90.2 90.1 90.1 90.2 90.3	1518.5 1518.6 1518.6 1519.0 1519.1 1520.5 1519.1 1513.9 1513.8	.0 2.0 8.2 18.4 32.7 51.1 73.4 99.5 128.9 161.5	-1.9 .0 1.6 9.8 38.4 966.6 241.1 134.7 97.5
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.4 159.4 169.3 179.3	16.764 16.725 16.226 15.600 14.905 13.942 13.403 12.671 11.773 11.151	16.747 16.707 16.207 15.580 14.884 13.920 13.381 12.648 11.750 11.128	34.109 34.201 34.137 34.091 34.014 33.875 33.814 33.762 33.742	24.891 24.971 25.037 25.144 25.237 25.353 25.446 25.675 25.773	25.328 25.452 25.563 25.715 25.855 26.017 26.156 26.300 26.479 26.624	24.887 24.967 25.033 25.139 25.233 25.349 25.441 25.539 25.671 25.769	308.5 301.2 295.1 285.2 276.4 265.5 256.8 247.6 235.0 225.8	3.746 4.050 4.349 4.640 4.919 5.190 5.451 5.703 5.942 6.171	90.3 90.3 90.3 90.7 90.7 90.9 91.0 91.1	1513.4 1513.5 1512.1 1510.3 1508.2 1505.1 1503.4 1501.0 1498.0	197.2 236.1 277.9 322.6 370.2 420.5 473.4 528.9 586.8 647.1	65.0 26.9 67.3 150.3 32.2 68.9 34.0 165.6 71.2 29.5
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 248.9 258.8 268.7 278.6 288.6	10.644 10.105 9.910 9.444 9.226 8.960 8.735 8.541 8.336 8.134	10.620 10.081 9.885 9.419 9.200 8.708 8.512 8.307 8.105	33.750 33.752 33.783 33.764 33.862 33.862 33.899 33.927 33.949 33.963	25.870 25.964 26.021 26.083 26.169 26.238 26.302 26.354 26.403 26.444	26.768 26.909 27.013 27.122 27.253 27.369 27.480 27.578 27.673 27.761	25.866 25.960 26.017 26.079 26.164 26.234 26.238 26.350 26.399 26.440	216.6 207.7 202.4 196.5 188.5 182.0 176.0 171.2 166.6 162.8	6.394 6.608 6.813 7.014 7.207 7.391 7.571 7.744 7.913 8.078	91.0 91.0 91.0 91.0 91.0 91.0 90.9 90.8 90.9	1494.4 1492.6 1492.1 1490.5 1489.9 1489.1 1488.5 1488.0 1487.4 1486.8	709.5 774.2 840.9 909.6 980.3 1052.8 1127.2 1203.2 1281.0 1360.4	148.3 32.5 70.5 102.1 124.3 44.0 99.0 44.5 49.2 61.1
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.2 348.2 358.1 368.0 378.0 387.9	7.944 7.824 7.668 7.532 7.387 7.209 7.143 6.972 6.817 6.679	7.914 7.793 7.637 7.500 7.354 7.109 6.938 6.781 6.643	33.972 33.982 33.993 33.997 33.995 33.994 33.991 33.989 33.990	26.480 26.500 26.528 26.5579 26.579 26.603 26.612 26.633 26.652 26.671	27.843 27.910 27.984 28.058 28.128 28.199 28.254 28.322 28.388 28.454	26.476 26.496 26.523 26.551 26.575 26.598 26.607 26.628 26.647 26.667	159.5 157.6 155.1 152.5 150.3 148.1 147.4 145.4 143.6 141.9	8.239 8.397 8.554 8.708 8.859 9.008 9.156 9.302 9.446 9.589	90.9 90.9 91.0 90.9 90.8 90.8 90.8	1486.3 1486.0 1485.5 1485.2 1484.8 1484.3 1484.2 1483.6 1483.2 1482.8	1441.5 1524.1 1608.2 1693.9 1781.2 1869.9 1960.0 2051.6 2144.7 2239.2	33.3 6.0 23.0 24.1 40.5 9.4 2.7 14.7 10.0 15.2
400.0 410.0 420.0 430.0 440.0 460.0 470.0 480.0 490.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.3 477.2 487.1	6.556 6.405 6.315 6.204 6.057 5.917 5.825 5.722 5.594 5.512	6.520 6.368 6.278 6.166 6.019 5.879 5.786 5.682 5.554 5.472	33.992 34.001 34.000 34.003 34.006 34.011 34.016 34.024 34.030	26.690 26.716 26.727 26.743 26.763 26.783 26.798 26.815 26.815 26.851	28.519 28.592 28.649 28.712 28.779 28.908 28.908 28.972 29.040 29.102	26.685 26.712 26.722 26.738 26.758 26.778 26.794 26.810 26.831 26.846	140.1 137.6 136.7 135.2 133.4 131.4 130.0 128.5 126.4 125.1	9.730 9.870 10.006 10.143 10.277 10.409 10.540 10.669 10.796 10.922	90.7 90.8 90.7 90.7 90.7 90.7 90.7 90.6 90.7	1482.5 1482.1 1481.9 1481.6 1481.2 1480.8 1480.6 1480.3 1480.0 1479.8	2335.0 2432.3 2530.9 2630.9 2732.2 2834.8 2938.8 3044.0 3150.4 3258.2	24.3 26.0 2.0 22.8 19.8 8.4 27.7 23.0 14.5 15.3
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0	497.0 506.9 516.8 526.8 536.7 546.6 556.5 566.4 576.3	5.421 5.358 5.326 5.524 5.569 5.565 5.380 5.155 5.167 5.061	5.380 5.316 5.284 5.480 5.523 5.518 5.334 5.109 5.120 5.014	34.041 34.054 34.064 34.109 34.132 34.146 34.144 34.123 34.147 34.149	26.871 26.889 26.901 26.913 26.926 26.938 26.958 26.967 26.985 26.999	29.169 29.233 29.291 29.346 29.403 29.461 29.529 29.588 29.651 29.712	26.866 26.884 26.896 26.908 26.920 26.932 26.952 26.962 26.980 26.994	123.2 121.6 120.5 119.7 118.8 117.7 115.7 114.7 113.1 111.8	11.046 11.169 11.290 11.410 11.529 11.647 11.764 11.879 11.993 12.106	90.7 90.7 90.7 90.7 90.7 90.6 90.7 90.6 90.6	1479.6 1479.5 1479.6 1480.6 1481.0 1481.2 1480.6 1479.8 1480.0	3367.1 3477.3 3588.6 3701.2 3814.9 3929.8 4045.9 4163.1 4281.5 4400.9	20.9 12.1 10.6 18.0 4.6 21.0 37.3 13.9 22.1
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.6 665.5 675.5	4.951 4.894 4.837 4.777 4.730 4.714 4.686 4.646 4.613 4.581	4.903 4.846 4.788 4.728 4.680 4.663 4.635 4.594 4.560 4.528	34.155 34.165 34.176 34.184 34.201 34.223 34.223 34.233 34.243 34.249	27.017 27.031 27.046 27.059 27.077 27.087 27.101 27.113 27.125 27.133	29.778 29.838 29.900 29.960 30.024 30.080 30.140 30.198 30.256 30.310	27.012 27.025 27.041 27.054 27.072 27.082 27.095 27.107 27.119 27.127	110.0 108.7 107.3 106.1 104.4 103.6 102.4 101.3 100.3 99.6	12.217 12.326 12.434 12.541 12.646 12.750 12.853 12.955 13.055 13.155	90.7 90.6 90.7 90.7 90.7 90.7 90.6 90.7 90.6	1479.5 1479.4 1479.3 1479.3 1479.3 1479.5 1479.5 1479.5 1479.5	4521.5 4643.1 4765.8 4889.6 5014.4 5140.2 5267.1 5394.9 5523.8 5653.6	10.6 8.9 13.3 19.1 13.8 5.1 20.3 1.8 2.7 17.1
700.0 710.0 720.0 730.0 740.0 750.0 750.0 760.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5	4.552 4.507 4.458 4.458 4.358 4.337 4.308 4.260 4.227	4.498 4.452 4.421 4.402 4.348 4.300 4.279 4.249 4.201 4.168	34.257 34.265 34.273 34.279 34.281 34.287 34.298 34.306 34.316 34.324	27.142 27.154 27.164 27.170 27.178 27.188 27.199 27.208 27.221 27.231	30.367 30.424 30.480 30.533 30.587 30.644 30.701 30.757 30.816 30.872	27.137 27.148 27.157 27.164 27.172 27.182 27.193 27.202 27.215 27.224	98.7 97.6 96.8 96.3 95.6 93.7 92.8 91.6 90.8	13.255 13.353 13.450 13.547 13.643 13.738 13.832 13.925 14.017 14.108	90.7 90.7 90.6 90.7 90.7 90.6 90.7 90.7 90.7	1479.6 1479.6 1479.6 1479.7 1479.7 1479.7 1479.8 1479.8 1479.8	5784.4 5916.2 6049.0 6182.7 6317.3 6452.9 6589.4 6726.9 6865.2 7004.5	15.3 2.4 12.7 3.3 8.9 8.0 11.5 15.9 9.8 14.5
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.209 4.170 4.142 4.109 4.090 4.068 4.042 4.016 3.986 3.967	4.148 4.109 4.080 4.047 4.028 4.004 3.978 3.951 3.950 3.901	34.330 34.340 34.347 34.352 34.361 34.368 34.374 34.377 34.384 34.389	27.238 27.250 27.258 27.266 27.275 27.283 27.290 27.295 27.304 27.310	30.925 30.983 31.038 31.092 31.147 31.201 31.255 31.306 31.361 31.413	27.232 27.243 27.252 27.260 27.268 27.276 27.284 27.289 27.297 27.303	90.2 89.1 88.3 87.6 86.2 85.5 85.1 84.3 83.8	14.199 14.288 14.377 14.465 14.552 14.639 14.725 14.810 14.894 14.979	90.7 90.6 90.7 90.6 90.6 90.6 90.7 90.7	1479.9 1479.9 1480.0 1480.0 1480.1 1480.2 1480.3 1480.3 1480.4	7144.6 7285.6 7427.5 7570.3 7713.9 7858.4 8003.7 8149.8 8296.8 8444.6	9.5 8.3 8.6 3.6 8.0 8.6 7.5 10.4 8.0 6.9
900.0 910.0 920.0 930.0 950.0 950.0 960.0 980.0 990.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.5 972.4 982.3	3.946 3.933 3.915 3.915 3.906 3.863 3.846 3.829 3.806 3.792	3.879 3.866 3.847 3.844 3.836 3.792 3.775 3.775 3.733 3.719	34.393 34.397 34.401 34.409 34.418 34.423 34.428 34.438 34.438 34.440	27.316 27.320 27.326 27.332 27.340 27.349 27.354 27.360 27.366	31.465 31.515 31.566 31.619 31.673 31.728 31.779 31.831 31.883 31.932	27.309 27.313 27.319 27.325 27.325 27.342 27.347 27.353 27.353 27.359 27.362	82.9 82.5 82.0 81.2 80.5 80.0	15.062 15.145 15.228 15.310 15.392 15.473 15.553 15.633 15.712 15.791	90.7 90.7 90.7 90.7 90.6 90.7 90.7 90.7 90.7	1480.5 1480.7 1480.8 1480.9 1481.1 1481.1 1481.2 1481.3 1481.3	8593.3 8742.7 8893.0 9044.1 9196.0 9348.6 9502.1 9656.3 9811.4 9967.2	5.7 1.6 10.7 10.4 6.6 4.9 3.7 1.7 3.1 2.8

Station	41	Latitude	32° 39.	75'N	Longit	ude 127°	37.44'W	26	Aug 1989	GMT 1	5:44	Bottom	_
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ²
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0 1140.0 1160.0 1180.0	992.2 1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.6 1150.4 1170.2	3.754 3.699 3.659 3.587 3.544 3.495 3.456 3.452 3.384 3.357	3.680 3.624 3.582 3.510 3.465 3.415 3.375 3.329 3.300 3.272	34.447 34.456 34.462 34.471 34.478 34.485 34.490 34.495 34.503	27.379 27.391 27.400 27.414 27.424 27.435 27.443 27.452 27.461 27.466	31.988 32.093 32.195 32.302 32.404 32.507 32.607 32.709 32.809 32.906	27.371 27.384 27.393 27.407 27.417 27.427 27.425 27.435 27.444 27.453 27.457	77.9 76.7 75.9 74.6 73.7 72.8 72.1 71.3 70.6 70.2	15.869 16.024 16.177 16.327 16.476 16.622 16.767 16.911 17.053 17.193	90.6 90.7 90.6 90.6 90.6 90.6 90.6 90.6	1481.5 1481.6 1481.7 1481.8 1481.9 1482.1 1482.2 1482.4 1482.6 1482.8	10123.7 10439.2 10757.6 11079.0 11403.3 11730.5 12060.5 12393.4 12729.0 13067.4	8.1 4.6 4.0 12.2 9.0 2.6 5.2 5.0 2.9
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0 1380.0	1189.9 1209.7 1229.4 1249.2 1268.9 1288.7 1308.4 1328.2 1347.9 1367.7	3.320 3.280 3.234 3.191 3.140 3.111 3.076 3.043 3.019 2.982	3.234 3.193 3.145 3.101 3.048 3.018 2.982 2.948 2.923 2.884	34.511 34.518 34.522 34.525 34.528 34.531 34.534 34.538 34.541 34.544	27.473 27.482 27.491 27.504 27.509 27.515 27.521 27.526 27.532	33.006 33.107 33.208 33.306 33.407 33.504 33.602 33.699 33.796 33.894	27.465 27.474 27.482 27.488 27.496 27.501 27.507 27.512 27.517 27.523	69.5 68.7 67.9 67.4 66.7 66.3 65.8 64.8 64.3	17.333 17.471 17.608 17.743 17.877 18.010 18.142 18.273 18.403 18.532	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1483.0 1483.2 1483.3 1483.5 1483.6 1483.8 1484.0 1484.2 1484.4 1484.6	13408.6 13752.4 14099.0 14448.1 14799.9 15154.3 15511.3 15870.9 16233.0 16597.6	7.6 7.0 3.2 4.4 3.3 6.5 1.2 3.6 1.3
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.4 1407.2 1426.9 1446.6 1466.4 1486.1 1505.8 1525.6 1545.3 1565.0	2.967 2.933 2.894 2.853 2.816 2.779 2.740 2.721 2.690 2.645	2.868 2.832 2.793 2.750 2.711 2.673 2.634 2.613 2.580 2.534	34.549 34.553 34.557 34.560 34.567 34.567 34.569 34.571 34.575	27.535 27.541 27.547 27.554 27.560 27.566 27.572 27.575 27.580 27.587	33.989 34.086 34.185 34.284 34.383 34.481 34.579 34.674 34.770 34.870	27.526 27.531 27.538 27.545 27.551 27.557 27.563 27.566 27.570 27.578	64.1 63.6 63.0 62.3 61.8 61.2 60.4 60.0 59.2	18.660 18.788 18.915 19.040 19.164 19.287 19.409 19.651 19.770	90.6 90.6 90.7 90.5 90.6 90.6 90.6	1484.9 1485.1 1485.2 1485.4 1485.6 1485.7 1485.9 1486.2 1486.4 1486.5	16964.7 17334.3 17706.4 18080.9 18457.9 18837.2 19219.0 19603.1 19989.5 20378.3	3.3 1.9 4.2 3.1 2.8 4.6 4.6 2.2
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.7 1604.4 1624.2 1643.9 1663.6 1683.3 1703.0 1722.7 1742.4 1762.1	2.619 2.594 2.556 2.527 2.501 2.469 2.436 2.412 2.386 2.347	2.507 2.481 2.442 2.411 2.384 2.351 2.316 2.291 2.264 2.224	34.577 34.579 34.582 34.585 34.586 34.589 34.592 34.595 34.597 34.600	27.591 27.595 27.601 27.605 27.609 27.614 27.619 27.624 27.628 27.633	34.965 35.061 35.159 35.255 35.351 35.447 35.545 35.640 35.736 35.834	27.581 27.586 27.591 27.596 27.599 27.604 27.610 27.614 27.618 27.623	58.9 58.0 57.6 57.2 56.8 55.5 55.5	19.888 20.006 20.122 20.238 20.352 20.466 20.579 20.691 20.802 20.913	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1486.7 1487.0 1487.1 1487.3 1487.6 1487.8 1488.0 1488.2 1488.4 1488.6	20769.3 21162.7 21558.3 21956.3 22758.6 23163.1 23569.8 23978.6 24389.6	7 4.3 4.1 4.1 2.6 3.2 1.8 3.0
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.8 1801.5 1821.2 1840.9 1860.6 1880.3 1900.0 1919.7 1939.4 1959.1	2.329 2.296 2.272 2.253 2.221 2.201 2.189 2.156 2.137 2.116	2.204 2.171 2.145 2.124 2.092 2.070 2.057 2.022 2.001 1.980	34.601 34.604 34.606 34.609 34.611 34.614 34.615 34.618 34.619 34.620	27.636 27.641 27.645 27.653 27.657 27.659 27.664 27.666	35.928 36.024 36.120 36.215 36.311 36.406 36.499 36.596 36.689 36.784	27.626 27.630 27.634 27.638 27.642 27.646 27.648 27.653 27.656 27.658	54.7 54.2 53.8 53.5 53.0 52.7 52.5 52.0 51.8	21.022 21.131 21.239 21.346 21.453 21.559 21.664 21.768 21.872 21.975	90.6 90.6 90.5 90.6 90.5 90.6 90.5	1488.8 1489.0 1489.3 1489.5 1489.7 1490.0 1490.3 1490.5 1490.7 1491.0	24802.7 25218.0 25635.3 26054.7 26476.2 26899.7 27325.2 27752.8 28182.4 28614.0	1.8 6.5 1.5 1.3 3.3 1.6 1.7
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2350.0 2350.0 2450.0	1978.8 2028.0 2077.1 2126.3 2175.5 2224.6 2273.8 2322.9 2372.1 2421.2	2.092 2.049 2.014 1.974 1.940 1.880 1.849 1.823 1.803	1.954 1.907 1.869 1.825 1.787 1.754 1.719 1.685 1.655	34.628 34.631 34.636 34.639 34.642 34.645 34.648 34.650 34.652	27.673 27.681 27.687 27.694 27.709 27.709 27.714 27.718 27.722	36.879 37.114 37.347 37.580 37.812 38.043 38.274 38.505 38.734 38.963	27.662 27.670 27.675 27.682 27.687 27.692 27.697 27.701 27.705 27.709	51.1 50.4 50.0 49.4 48.9 48.5 48.1 47.7 47.3	22.078 22.332 22.583 22.831 23.076 23.320 23.561 23.800 24.038 24.274	90.6 90.5 90.5 90.5 90.6 90.6 90.6	1491.2 1491.9 1492.5 1493.2 1493.9 1494.6 1495.3 1496.0 1496.8 1497.5	29047.5 30140.1 31244.7 32361.4 33490.0 34630.3 35782.2 36945.7 38120.6 39306.9	3.4 3 3.2 5.3 1 1
2500.0 2550.0 2600.0 2700.0 2750.0 2800.0 2850.0 2900.0	2470.3 2519.3 2568.4 2617.5 2666.5 2715.6 2764.6 2813.6 2862.6 2911.6	1.778 1.752 1.734 1.708 1.692 1.673 1.659 1.643 1.630 1.618	1.602 1.572 1.549 1.520 1.499 1.476 1.458 1.437 1.420 1.403	34.654 34.657 34.658 34.660 34.664 34.666 34.667 34.669 34.670	27.725 27.729 27.732 27.736 27.739 27.742 27.745 27.747 27.750 27.750	39.191 39.420 39.647 39.875 40.101 40.329 40.555 40.780 41.005 41.229	27.712 27.716 27.719 27.722 27.724 27.728 27.730 27.732 27.735 27.736	46.8 46.3 46.8 45.5 45.4 45.2 45.0	24.509 24.742 24.973 25.204 25.433 25.662 25.889 26.115 26.341 26.566	90.6 90.6 90.6 90.5 90.5 90.5 90.5	1498.3 1499.0 1499.8 1500.5 1501.3 1502.1 1502.8 1503.6 1504.4 1505.2	40504.5 41713.2 42933.1 44164.1 45406.1 46659.0 47922.7 49197.4 50482.8 51778.9	1.2 1.2 .7 .1 .2 .5 3 1.2
3000.0 3050.0 3100.0 3150.0 3200.0 3250.0 3300.0 3350.0 3400.0 3450.0	2960.6 3009.6 3058.6 3107.5 3156.4 3205.4 3254.3 3303.2 3352.1 3401.0	1.605 1.590 1.581 1.574 1.563 1.554 1.537 1.533 1.528	1.386 1.366 1.352 1.340 1.325 1.311 1.297 1.285 1.276 1.265	34.671 34.673 34.674 34.675 34.677 34.678 34.678 34.680 34.681 34.682	27.754 27.757 27.759 27.761 27.763 27.765 27.767 27.769 27.770	41.453 41.678 41.902 42.124 42.348 42.570 42.792 43.015 43.236 43.457	27.739 27.741 27.743 27.744 27.746 27.748 27.749 27.751 27.752 27.753	44.9 44.6 44.6 44.5 44.4 44.3 44.3	26.791 27.015 27.238 27.461 27.684 27.906 28.128 28.350 28.571 28.793	90.5 90.6 90.5 90.5 90.5 90.5 90.5 90.5	1506.0 1506.8 1507.6 1508.4 1509.2 1510.0 1510.9 1511.7 1512.5 1513.4	53085.8 54403.4 55731.6 57070.4 58419.9 59779.9 61150.5 62531.6 63923.3 65325.5	1.2 1.2 1.8 5 5
3500.0 3550.0 3600.0 3650.0 3700.0 3750.0 3800.0 3850.0 3900.0	3449.9 3498.7 3547.6 3596.4 3645.3 3694.1 3742.9 3791.7 3840.5 3889.3	1.523 1.519 1.514 1.513 1.510 1.508 1.507 1.505 1.505	1.256 1.247 1.237 1.230 1.223 1.216 1.209 1.202 1.196 1.192	34.683 34.684 34.685 34.685 34.686 34.688 34.688 34.689 34.689	27.773 27.774 27.776 27.777 27.778 27.779 27.780 27.782 27.783 27.783	43.677 43.897 44.118 44.337 44.556 44.775 44.994 45.213 45.431 45.647	27.754 27.755 27.756 27.757 27.758 27.758 27.759 27.760 27.761 27.761	44.3 44.3 44.4 44.4 44.5 44.5 44.6 44.6	29.014 29.236 29.458 29.679 29.901 30.124 30.346 30.569 30.792 31.016	90.5 90.4 90.5 90.4 90.5 90.5 90.5 90.5	1514.2 1515.0 1515.9 1516.7 1517.6 1518.4 1519.3 1520.1 1521.0 1521.8	66738.2 68161.4 69595.1 71039.4 72494.1 73959.4 75435.2 76921.5 76921.5 77418.4	9 8 .1 2.8 -1.3 -6 3 1.2 -1.7
4000.0 4050.0 4100.0 4150.0 4200.0 4250.0 4350.0 4382.0	3938.0 3986.8 4035.5 4084.3 4133.0 4181.7 4230.4 4279.1 4310.3	1.507 1.510 1.512 1.516 1.520 1.525 1.530 1.534 1.538	1.188 1.185 1.182 1.180 1.178 1.176 1.176 1.175	34.690 34.691 34.691 34.691 34.691 34.692 34.692 34.692	27.783 27.784 27.785 27.785 27.785 27.785 27.786 27.786 27.786	45.864 46.081 46.297 46.513 46.728 46.943 47.158 47.372 47.509	27.760 27.761 27.761 27.761 27.761 27.761 27.761 27.760 27.760	44.9 45.1 45.4 45.6 45.8 46.0 46.2 46.3	31.240 31.465 31.691 31.917 32.145 32.373 32.603 32.833 32.981	90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4	1522.7 1523.6 1524.5 1525.3 1526.2 1527.1 1528.0 1528.9 1529.4	81444.0 82972.7 84512.0 86062.0 87622.8 89194.3 90776.6 92369.8 93395.1	4 -1.2 .9 .3 5 2 .2

Station	42	Latitude	32. 52	.85'N	Longi	tude 127°	29.28'W	2	6 Aug 198	9 GMT 1	9:26	Bottom	4450 m
Pres.	Depth m	Temp.	Pot.T.	Sa l 0/00	Sigma- kg/m ³	9 Sigma-z kg/m ³	sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht	LTR 0/0	sv m/s	m3/s2	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.8 59.8 69.8 79.7	19.175 19.167 19.160 19.161 19.374 19.429 17.604 17.038 16.965 16.851	19.175 19.165 19.156 19.366 19.420 17.594 17.027 16.952 16.836	33.489 33.490 33.489 33.747 33.804 33.721 33.963 34.064 34.125	23.824 23.826 23.829 23.829 23.972 24.001 24.392 24.713 24.808 24.883	23.824 23.870 23.915 24.918 24.218 24.619 25.158 25.276	23.824 23.826 23.827 23.970 23.999 24.389 24.710 24.805 24.879	406.9 406.9 407.1 407.4 394.2 391.7 354.7 324.5 315.8 309.0	.000 .407 .814 1.221 1.623 2.016 2.396 2.730 3.050 3.362	90.3 90.2 90.2 90.2 90.2 90.2 90.3 90.4	1518.1 1518.2 1518.3 1518.6 1519.6 1520.0 1514.8 1513.6 1513.6	2.0 8.1 18.3 32.5 50.6 72.6 98.2 126.9 158.9	3.3 6 45.7 28.2 555.6 68.8 65.0 21.1
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.4 159.4 169.3 179.3 189.2	16.635 16.377 15.392 14.790 14.013 13.462 12.746 11.734 11.104 10.342	16.619 16.359 15.374 14.771 13.993 13.441 12.725 11.713 11.082 10.319	34.154 34.158 34.086 34.015 33.919 33.801 33.706 33.694 33.661	24.955 25.019 25.186 25.263 25.354 25.415 25.519 25.638 25.744 25.853	25.393 25.500 25.714 25.836 25.974 26.080 26.231 26.398 26.551 26.708	24.952 25.014 25.182 25.259 25.350 25.410 25.515 25.634 25.740 25.849	302.4 296.6 280.9 273.7 265.1 259.5 249.6 238.3 228.2 217.9	3.668 3.968 4.257 4.534 4.803 5.066 5.320 5.564 5.797 6.020	90.5 90.4 90.6 90.8 90.8 90.8 90.9	1513.1 1512.4 1509.5 1507.6 1505.2 1503.4 1501.1 1497.7 1495.6 1493.0	193.9 231.9 272.8 316.6 363.1 412.2 463.8 518.0 574.5 633.2	67.6 137.6 155.6 73.2 19.1 116.3 75.7 66.2 111.7
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 228.9 238.8 258.8 268.7 278.6 288.6	9.949 9.632 9.390 9.000 8.697 8.432 8.343 8.229 8.135 8.015	9.926 9.608 9.366 8.975 8.672 8.406 8.202 8.106 7.986	33.669 33.728 33.798 33.842 33.898 33.954 33.978 33.990 33.997	25.925 26.024 26.118 26.216 26.307 26.406 26.441 26.465 26.488	26.827 26.972 27.112 27.256 27.395 27.490 27.585 27.667 27.737 27.806	25.922 26.020 26.115 26.212 26.303 26.352 26.401 26.437 26.461 26.484	211.1 201.8 192.9 183.8 175.1 170.6 166.0 162.8 160.6 158.5	6.234 6.440 6.638 6.826 7.005 7.178 7.346 7.510 7.672 7.832	91.0 91.0 91.0 91.0 90.9 90.9 90.9 90.9	1491.7 1490.8 1490.2 1488.9 1488.0 1487.2 1487.1 1486.9 1486.7 1486.4	694.2 757.2 822.2 889.1 957.8 1028.3 1100.4 1174.2 1249.6 1326.6	79.0 112.0 119.9 95.5 75.3 45.3 36.3 19.8 23.9
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.1 358.1 368.0 377.9 387.8	7.846 7.717 7.615 7.487 7.331 7.237 7.063 6.856 6.701 6.573	7.816 7.686 7.583 7.455 7.298 7.203 7.209 6.822 6.666 6.538	33.999 33.997 34.001 34.002 34.005 34.008 34.001 33.994 33.998	26.515 26.533 26.550 26.569 26.594 26.628 26.628 26.651 26.671 26.692	27.879 27.943 28.007 28.072 28.143 28.205 28.270 28.340 28.407 28.475	26.511 26.528 26.546 26.565 26.590 26.605 26.623 26.646 26.666 26.687	156.1 154.5 152.9 151.2 148.9 147.6 145.9 143.7 141.8 139.8	7.989 8.145 8.298 8.450 8.600 8.749 8.895 9.040 9.183 9.323	90.8 90.8 90.7 90.7 90.6 90.6 90.6	1485.9 1485.6 1485.3 1485.6 1484.6 1484.4 1483.8 1483.2 1482.7 1482.4	1405.2 1485.3 1566.9 1650.1 1734.7 1820.9 1908.4 1997.5 2087.9 2179.7	23.9 16.0 23.9 11.5 26.2 18.5 18.8 20.4 29.3
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.8 407.7 417.6 427.5 437.5 447.4 457.3 467.2 477.1	6.462 6.325 6.241 6.149 6.034 5.954 5.78 5.78 5.692 5.576	6.426 6.289 6.204 6.112 5.995 5.915 5.815 5.738 5.652 5.535	34.005 34.011 34.016 34.027 34.035 34.048 34.065 34.070 34.081 34.095	26.712 26.735 26.750 26.770 26.790 26.812 26.837 26.851 26.870 26.895	28.542 28.611 28.673 28.740 28.807 28.874 28.947 29.007 29.073 29.145	26.707 26.730 26.745 26.765 26.786 26.807 26.832 26.846 26.865 26.890	138.0 135.9 134.5 132.6 130.7 128.8 126.4 125.1 123.3 121.0	9.462 9.599 9.735 9.868 10.000 10.130 10.257 10.383 10.507 10.629	90.5 90.4 90.3 90.3 90.2 90.1 90.0 90.0	1482.1 1481.8 1481.6 1481.4 1481.0 1480.8 1480.6 1480.4 1480.2	2273.0 2367.6 2463.5 2560.8 2759.2 2860.3 2962.7 3066.3 3171.1	19.3 21.9 19.0 27.4 27.4 29.5 16.3 11.3 20.4
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.8 526.7 536.6 546.5 556.3 576.3 586.2	5.516 5.353 5.256 5.174 5.128 5.091 5.043 5.010 4.963	5.475 5.311 5.214 5.154 5.131 5.084 5.046 4.998 4.964 4.916	34.111 34.121 34.127 34.127 34.130 34.131 34.137 34.143 34.148 34.156	26.915 26.937 26.954 26.966 26.971 26.977 26.986 27.004 27.016	29.211 29.281 29.344 29.403 29.454 29.506 29.562 29.618 29.673 29.730	26.910 26.933 26.949 26.961 26.965 26.972 26.981 26.991 26.999 27.010	119.2 117.0 115.5 114.4 114.0 113.5 112.7 111.8 111.1	10.749 10.867 10.983 11.098 11.212 11.326 11.439 11.552 11.663 11.774	90.0 90.3 90.4 90.5 90.5 90.5 90.5	1480.1 1479.6 1479.4 1479.4 1479.4 1479.4 1479.4 1479.4	3277.1 3384.3 3492.7 3602.2 3712.8 3824.5 3937.4 4051.3 4166.4 4282.6	34.1 16.2 8.0 13.0 1.0 3.6 15.9 7.7 8.0 17.1
600.0 610.0 620.0 630.0 640.0 650.0 660.0 680.0 690.0	596.1 606.0 616.0 625.9 635.8 645.7 655.6 665.5 675.4 685.3	4.871 4.821 4.778 4.728 4.684 4.664 4.640 4.593 4.593	4.824 4.773 4.729 4.678 4.634 4.614 4.589 4.567 4.540 4.510	34.169 34.179 34.186 34.197 34.208 34.212 34.219 34.227 34.239 34.251	27.037 27.050 27.061 27.075 27.088 27.094 27.102 27.111 27.124 27.136	29.799 29.859 29.915 29.976 30.036 30.087 30.142 30.197 30.256 30.314	27.031 27.045 27.055 27.069 27.083 27.088 27.096 27.105 27.118 27.131	108.1 106.8 105.9 104.6 103.4 102.9 102.2 101.4 100.3 99.2	11.883 11.990 12.097 12.202 12.306 12.409 12.511 12.613 12.714 12.814	90.5 90.5 90.5 90.6 90.6 90.6 90.6	1479.2 1479.1 1479.1 1479.1 1479.2 1479.3 1479.4 1479.4 1479.5	4399.8 4518.1 4637.5 4757.9 4879.3 5001.8 5125.2 5249.7 5375.2 5501.6	7.7 13.8 13.8 6.8 13.2 4.2 2.1 3.9 14.7 2.7
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.2 705.1 715.0 724.9 734.8 744.7 754.7 764.5 774.5	4.532 4.501 4.473 4.443 4.424 4.423 4.381 4.381 4.303 4.285	4.478 4.446 4.418 4.387 4.365 4.323 4.292 4.244 4.225	34.263 34.271 34.279 34.286 34.302 34.311 34.320 34.325 34.326 34.332	27.149 27.159 27.169 27.178 27.192 27.200 27.211 27.219 27.225 27.231	30.374 30.430 30.486 30.541 30.601 30.654 30.712 30.765 30.819 30.871	27.144 27.154 27.163 27.172 27.186 27.194 27.205 27.212 27.218 27.225	98.0 97.1 96.3 95.5 94.2 93.7 92.6 92.0 91.4 90.8	12.913 13.010 13.107 13.203 13.298 13.392 13.485 13.578 13.669 13.760	90.6 90.7 90.6 90.6 90.6 90.5 90.5	1479.5 1479.6 1479.6 1479.7 1479.8 1480.0 1480.0 1480.0 1480.0	5629.1 5757.5 5886.8 6017.1 6148.4 6280.5 6413.6 6547.6 6682.5 6818.3	20.6 15.6 14.4 10.1 11.8 9.8 10.4 7.1 6.0 9.8
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0	794.3 804.2 814.0 824.0 833.8 843.8 853.7 863.5 873.4 883.3	4.211 4.148 4.105 4.088 4.054 4.037 4.007 3.983 3.948 3.913	4.151 4.087 4.043 4.025 3.991 3.973 3.943 3.918 3.882 3.847	34.334 34.352 34.361 34.368 34.373 34.381 34.389 34.392 34.402	27.241 27.253 27.266 27.275 27.285 27.290 27.299 27.309 27.315 27.326	30.928 30.987 31.047 31.102 31.158 31.209 31.264 31.320 31.372 31.430	27.235 27.247 27.260 27.269 27.278 27.283 27.293 27.302 27.308 27.319	89.9 88.7 87.5 86.9 85.4 84.6 83.7 83.2	13.851 13.940 14.028 14.115 14.202 14.288 14.372 14.457 14.540 14.623	90.6 90.6 90.6 90.6 90.6 90.6 90.7 90.7	1479.9 1479.8 1479.8 1479.9 1480.0 1480.1 1480.1 1480.2 1480.2	6955.0 7092.6 7231.0 7370.3 7510.5 7651.5 7793.3 7936.0 8079.4 8223.7	9.2 6.0 9.2 7.7 6.0 13.3 7.5
900.0 910.0 920.0 930.0 940.0 950.0 960.0 980.0 990.0	893.2 903.1 913.0 922.9 932.8 942.7 952.6 962.5 972.4 982.3	3.887 3.881 3.857 3.840 3.818 3.775 3.745 3.715 3.691	3.820 3.813 3.789 3.771 3.749 3.724 3.704 3.674 3.643 3.619	34.408 34.414 34.418 34.421 34.426 34.430 34.434 34.438 34.444 34.447	27.334 27.339 27.345 27.345 27.355 27.361 27.366 27.373 27.380 27.385	31.484 31.535 31.587 31.638 31.690 31.742 31.793 31.846 31.900 31.951	27.327 27.332 27.338 27.342 27.348 27.354 27.359 27.365 27.373 27.378	81.5 81.1 80.5 80.2 79.7 79.1 78.1 77.4 77.0	14.705 14.786 14.867 14.947 15.027 15.106 15.185 15.264 15.342 15.419	90.6 90.7 90.6 90.6 90.6 90.6 90.6 90.6	1480.3 1480.5 1480.5 1480.6 1480.7 1480.8 1480.9 1480.9 1481.0	8368.8 8514.7 8661.4 8808.9 8957.2 9106.2 9256.1 9406.7 9558.0 9710.2	10.1 8.1 5.1 3.7 4.3 7.5 4.6 8.4

Station	42	Latitude	32° 52.	85'N	Longit	ade 127°	29.28'W	26	Aug 1989	GMT 1	9:26	Bottom	
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0 1180.0	992.2 1011.9 1031.7 1051.5 1071.3 1091.0 1110.8 1130.6 1150.3 1170.1	3.658 3.619 3.560 3.5601 3.457 3.433 3.405 3.299 3.260	3.585 3.544 3.485 3.424 3.379 3.354 3.324 3.274 3.216 3.175	34.453 34.461 34.471 34.479 34.485 34.491 34.500 34.506 34.511	27.393 27.404 27.417 27.430 27.438 27.444 27.449 27.460 27.471 27.479	32.005 32.108 32.214 32.320 32.420 32.518 32.615 32.719 32.822 32.923	27.386 27.396 27.409 27.422 27.431 27.436 27.441 27.452 27.463 27.471	76.3 75.4 74.2 73.0 72.2 71.8 71.4 70.4 69.3 68.7	15.496 15.647 15.797 15.944 16.089 16.233 16.376 16.518 16.657 16.796	90.6 90.5 90.5 90.6 90.6 90.6 90.6	1481.1 1481.2 1481.3 1481.4 1481.6 1481.8 1482.0 1482.2 1482.3 1482.4	9863.0 10171.0 10481.9 10795.8 11112.5 11432.0 11754.3 12079.4 12407.3 12737.8	10.1 8.7 11.0 5.5 3.1 2.9 4.9 2.6 7.6
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0 1380.0	1189.8 1209.6 1229.4 1249.1 1268.9 1288.6 1308.4 1328.1 1347.9 1367.6	3.233 3.208 3.173 3.138 3.087 3.050 3.024 2.988 2.952 2.927	3.147 3.121 3.085 3.048 2.996 2.958 2.930 2.893 2.856 2.829	34.513 34.517 34.523 34.525 34.532 34.538 34.538 34.543 34.546 34.548	27.488 27.496 27.502 27.511 27.519 27.522 27.530 27.535 27.540	33.019 33.115 33.216 33.314 33.416 33.515 33.611 33.710 33.808 33.904	27.475 27.480 27.488 27.494 27.503 27.510 27.514 27.521 27.527 27.531	68.3 68.0 67.2 66.7 65.8 65.2 64.9 63.7	16.933 17.069 17.204 17.338 17.470 17.601 17.732 17.860 17.988 18.115	90.6 90.6 90.6 90.5 90.6 90.6 90.6 90.6	1482.6 1482.9 1483.1 1483.2 1483.5 1483.8 1484.0 1484.1 1484.4	13071.1 13407.0 13745.5 14086.7 14430.5 14776.9 15125.7 15477.2 15831.1 16187.5	2.9 5.3 5.6 5.6 21.4
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.3 1407.1 1426.8 1446.6 1466.3 1505.8 1525.5 1545.2 1564.9	2.900 2.876 2.840 2.810 2.784 2.753 2.736 2.706 2.668 2.625	2.801 2.776 2.739 2.708 2.680 2.647 2.629 2.598 2.559	34.551 34.553 34.556 34.559 34.564 34.567 34.569 34.572 34.576	27.544 27.549 27.556 27.564 27.569 27.573 27.577 27.583 27.590	34.000 34.096 34.194 34.291 34.387 34.580 34.676 34.774 34.873	27.535 27.540 27.545 27.550 27.555 27.559 27.563 27.568 27.573 27.580	63.0 62.6 62.1 61.7 61.3 60.9 60.2 59.6 58.9	18.242 18.368 18.492 18.616 18.739 18.861 18.982 19.103 19.223 19.341	90.6 90.5 90.6 90.6 90.6 90.6 90.6	1484.6 1484.8 1485.0 1485.2 1485.6 1485.6 1486.1 1486.3 1486.3	16546.3 16907.7 17271.4 17637.6 18006.1 18377.1 18750.4 19126.1 19884.4	3.6 4.8 2.2 1.6 3.7 1.3 2.8 1.4
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.7 1604.4 1624.1 1643.8 1663.5 1683.2 1702.9 1722.7 1742.4 1762.1	2.597 2.555 2.523 2.484 2.454 2.429 2.397 2.372 2.346 2.316	2.485 2.442 2.409 2.369 2.337 2.311 2.278 2.252 2.224 2.193	34.578 34.582 34.584 34.587 34.590 34.591 34.595 34.596 34.598 34.602	27.594 27.600 27.605 27.611 27.616 27.619 27.628 27.632 27.637	34.969 35.068 35.165 35.263 35.360 35.454 35.552 35.646 35.742 35.839	27.584 27.590 27.596 27.601 27.606 27.609 27.615 27.618 27.622 27.627	58.5 57.4 56.9 56.4 55.6 55.3 54.4	19.459 19.575 19.690 19.805 19.918 20.030 20.142 20.253 20.363 20.472	90.7 90.5 90.6 90.5 90.5 90.5 90.5 90.5	1486.6 1486.8 1487.0 1487.4 1487.6 1487.8 1488.0 1488.3	20267.0 20651.8 21039.0 21428.3 21819.8 22213.5 22609.4 23007.5 23407.7 23810.0	3.7 2.6 4.3 5.2 2.0 1.5 5.6 4.6
1800.0 1820.0 1840.0 1860.0 1880.0 1900.0 1920.0 1940.0 1960.0	1781.8 1801.5 1821.2 1840.9 1860.6 1880.2 1899.9 1919.6 1939.3 1959.0	2.289 2.266 2.247 2.232 2.203 2.176 2.155 2.137 2.119 2.101	2.165 2.141 2.120 2.104 2.073 2.045 2.045 2.002 2.003 1.984 1.964	34.605 34.608 34.608 34.612 34.615 34.617 34.619 34.620 34.622	27.642 27.645 27.648 27.655 27.655 27.663 27.666 27.668 27.668	35.935 36.030 36.124 36.218 36.314 36.410 36.505 36.599 36.693 36.787	27.632 27.635 27.637 27.640 27.645 27.652 27.655 27.658 27.661	54.0 53.6 53.4 53.2 52.7 52.3 52.0 51.7	20.580 20.688 20.795 20.902 21.008 21.113 21.217 21.321 21.424 21.527	90.55 90.55 90.55 90.55 90.55 90.55 90.55	1488.7 1488.9 1489.2 1489.4 1489.7 1489.9 1490.1 1490.6 1490.9	24214.4 24620.9 25029.5 25440.1 25852.9 26667.6 26684.4 27103.1 27523.9 27946.7	1.2 .9 2.4 1.8 .4 1.9 1.3 1.6
2000.0 2050.0 2100.0 2150.0 2200.0 2350.0 2300.0 2350.0 2400.0	1978.7 2027.9 2077.1 2126.3 2175.4 2224.6 2273.7 2322.8 2372.0 2421.1	2.085 2.043 2.001 1.970 1.931 1.911 1.884 1.853 1.824 1.804	1.946 1.901 1.856 1.821 1.778 1.755 1.724 1.689 1.656 1.632	34.624 34.629 34.633 34.636 34.639 34.642 34.644 34.647 34.650 34.650	27.675 27.682 27.689 27.694 27.700 27.704 27.708 27.713 27.718 27.721	36.881 37.116 37.349 37.581 37.813 38.043 38.273 38.273 38.504 38.734 38.963	27.664 27.671 27.677 27.683 27.688 27.692 27.696 27.701 27.705 27.708	50.9 50.3 49.3 48.8 48.5 48.7 47.3	21.629 21.882 22.132 22.380 22.625 22.868 23.110 23.349 23.587 23.823	90.6 90.5 90.5 90.5 90.5 90.5 90.5 90.6	1491.2 1491.8 1492.5 1493.2 1493.9 1494.6 1495.4 1496.1 1496.8 1497.5	28371.4 29441.8 30524.3 31618.8 32725.1 33843.2 34972.9 36114.2 37267.0 38431.1	1.1 1 2.0 1.2 6 2 1.6 7 2.3
2500.0 2550.0 2650.0 2650.0 2750.0 2750.0 2850.0 2950.0	2470.2 2519.3 2568.3 2617.4 2666.4 2715.5 2764.5 2813.5 2862.5 2911.5	1.775 1.756 1.735 1.717 1.702 1.681 1.664 1.648 1.632 1.619	1.598 1.576 1.550 1.528 1.509 1.484 1.462 1.442 1.421	34.655 34.656 34.659 34.660 34.664 34.666 34.667 34.669 34.669	27.726 27.729 27.732 27.736 27.738 27.742 27.745 27.747 27.750 27.752	39.192 39.419 39.647 39.874 40.100 40.327 40.554 40.779 41.005 41.229	27.712 27.715 27.719 27.722 27.724 27.727 27.730 27.732 27.735 27.737	46.7 46.6 46.3 46.1 45.9 45.7 45.3 45.3	24.057 24.290 24.522 24.753 24.983 25.212 25.440 25.667 25.893 26.118	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1498.3 1499.0 1499.8 1500.5 1501.3 1502.1 1502.9 1503.6 1504.4 1505.2	39606.5 40793.1 41990.8 43199.6 44419.4 45650.2 46891.9 48144.5 49407.9 50682.1	1.8 -1.4 3.1 1.1 4 -1.2 -9 8
3000.0 3050.0 3100.0 3120.0	2960.5 3009.5 3058.5 3078.0	1.605 1.596 1.587 1.583	1.386 1.372 1.359 1.352	34.671 34.672 34.674 34.674	27.755 27.757 27.758 27.759	41.454 41.677 41.900 41.990	27.739 27.740 27.742 27.743	44.9 44.8 44.8 44.7	26.343 26.567 26.791 26.880	90.4 90.5 90.4 90.4	1506.0 1506.8 1507.6 1508.0	51967.0 53262.6 54568.8 55094.3	1.0 7 .5

Station		Latitude	33. 04	.70'א	Longit	ude 127°	22.33'W	20	6 Aug 198	9 GMT 2	2:45	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-6 kg/m ³	Sigma-z kg/m ³	sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht g J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	.0 10.0 19.9 29.9 39.8 59.8 69.8 79.7	19.185 19.186 19.165 19.368 19.418 18.472 16.387 15.678 16.286	19.185 19.184 19.167 19.159 19.361 19.409 18.462 16.376 15.666 16.272	33.496 33.501 33.505 33.674 33.779 33.556 33.548 33.864	23.826 23.826 23.835 23.840 23.932 24.209 24.209 24.552 24.707 24.813	23.826 23.870 23.922 23.970 24.198 24.471 24.859 25.059 25.208	23.826 23.826 23.834 23.838 23.931 23.979 24.207 24.549 24.705 24.810	406.6 406.9 406.5 406.4 398.0 372.2 339.7 325.1 315.5	.000 .407 .813 1.220 1.625 2.020 2.408 2.763 3.096 3.415	90.1 90.3 90.2 90.2 90.1 90.1 90.0 90.1	1518.1 1518.3 1518.5 1519.5 1519.9 1517.4 15109.0 1511.5	.0 2.0 8.1 18.2 32.4 50.6 72.7 98.5 127.7 160.1	.0 9 7.7 1.9 212.3 27.0 409.3 -4.8 116.6 73.1
100.0 110.0 120.0 130.0 140.0 150.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3	16.611 16.335 16.153 15.440 14.657 14.010 12.884 12.726 11.637 11.050	16.595 16.318 16.134 15.420 14.636 13.989 12.862 12.703 11.614 11.027	34.051 34.075 34.100 34.049 33.960 33.746 33.746 33.815 33.728 33.694	24.882 24.965 25.026 25.148 25.250 25.450 25.534 25.674 25.754	25.319 25.447 25.552 25.719 25.867 26.009 26.161 26.290 26.478 26.606	24.878 24.961 25.021 25.143 25.341 25.445 25.530 25.750	309.4 301.7 296.2 284.8 275.2 266.3 256.3 248.5 235.1 227.5	3.727 4.032 4.331 4.622 4.903 5.173 5.434 5.687 5.928 6.161	90.4 90.3 90.4 90.5 90.7 90.8 90.9 90.9 91.0	1512.9 1512.2 1511.8 1509.7 1507.3 1505.3 1501.5 1501.5 1497.5	195.7 234.3 275.9 320.5 367.9 418.0 470.8 526.1 583.9 644.0	62.0 73.7 10.7 149.4 102.4 99.1 51.1 173.0 33.9 145.7
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.8 248.8 258.8 268.7 278.6 288.6	10.260 9.762 9.299 9.000 8.802 8.622 8.521 8.410 8.241	10.237 9.738 9.274 8.975 6.777 8.596 8.494 8.382 8.212 8.007	33.639 33.672 33.771 33.817 33.883 33.974 33.983 33.988 33.988	25.849 25.959 26.112 26.196 26.279 26.358 26.394 26.448 26.448	26.749 26.906 27.107 27.237 27.366 27.491 27.573 27.642 27.718 27.798	25.845 25.955 26.108 26.192 26.275 26.354 26.390 26.414 26.443 26.476	218.4 208.0 193.5 185.6 177.8 170.4 167.2 165.1 162.4 159.3	6.385 6.598 6.798 6.987 7.169 7.343 7.512 7.678 7.842 8.003	91.0 91.0 91.0 91.0 90.9 91.0 90.9 90.9	1492.8 1491.2 1489.8 1488.9 1488.4 1488.0 1487.8 1487.6 1487.1 1486.5	706.4 770.9 837.5 906.0 976.4 1048.5 1122.3 1197.7 1274.8 1353.5	126.2 127.0 79.2 68.9 70.6 48.9 24.0 41.3 36.0 25.1
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.1 358.1 368.0 377.9 387.9	7.837 7.611 7.450 7.272 7.126 6.984 6.848 6.753 6.629 6.585	7.807 7.581 7.419 7.240 7.094 6.952 6.815 6.720 6.595 6.550	33.993 33.990 33.991 33.988 33.987 33.988 33.993 33.993 34.010	26.512 26.542 26.566 26.588 26.608 26.646 26.646 26.680 26.699	27.876 27.953 28.023 28.093 28.159 28.225 28.291 28.354 28.418 28.482	26.507 26.538 26.564 26.604 26.623 26.649 26.659 26.676 26.695	156.4 153.6 151.4 149.2 147.4 143.8 143.8 140.8 139.1	8.161 8.316 8.468 8.618 8.767 8.913 9.058 9.201 9.343 9.483	90.9 90.8 90.8 90.8 90.7 90.7 90.6 90.6	1485.9 1485.2 1484.7 1484.2 1483.7 1483.4 1483.0 1482.8 1482.5 1482.5	1433.7 1515.6 1598.9 1683.7 1770.0 1857.8 1947.0 2037.6 2129.6 2223.1	31.5 31.2 11.5 20.9 18.5 22.0 31.6 17.0 20.8 21.1
400.0 410.0 420.0 430.0 440.0 450.0 450.0 480.0 490.0	397.8 407.7 417.6 427.5 437.5 437.4 457.3 467.2 477.1	6.496 6.328 6.169 6.043 5.981 5.890 5.898 5.737 5.698	6.460 6.292 6.133 6.006 5.943 5.851 5.859 5.826 5.696 5.656	34.017 34.019 34.024 34.022 34.026 34.032 34.067 34.086 34.081 34.094	26.717 26.741 26.764 26.779 26.806 26.833 26.853 26.864 26.879	28.547 28.617 28.688 28.750 28.808 28.870 28.942 29.008 29.066 29.128	26.713 26.736 26.760 26.775 26.786 26.802 26.828 26.848 26.859 26.875	137.5 135.3 133.0 131.6 130.6 129.2 126.8 125.1 124.0 122.6	9.621 9.757 9.892 10.024 10.155 10.285 10.413 10.539 10.664 10.787	90.5 90.6 90.6 90.6 90.6 90.6 90.6	1482.3 1481.8 1481.0 1480.9 1480.7 1480.9 1480.6 1480.6	2317.9 2414.0 2511.5 2610.3 2710.4 2811.8 2914.5 3018.4 3123.6 3230.0	22.2 15.2 21.9 10.1 23.6 18.7 10.4 14.5 23.0
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.8 526.7 536.7 546.6 556.5 566.4 576.3	5.725 5.620 5.513 5.484 5.427 5.341 5.266 5.196 5.174 5.156	5.682 5.577 5.470 5.440 5.382 5.296 5.220 5.149 5.127 5.108	34.124 34.125 34.128 34.141 34.150 34.150 34.160 34.167 34.184 34.193	26.900 26.913 26.929 26.943 26.957 26.967 26.984 26.998 27.014 27.023	29.194 29.254 29.316 29.376 29.436 29.494 29.557 29.618 29.679 29.735	26.895 26.908 26.924 26.937 26.951 26.962 26.979 26.993 27.008 27.017	120.8 119.6 118.1 116.9 115.6 114.7 113.1 111.8 110.4 109.7	10.909 11.029 11.148 11.265 11.382 11.497 11.610 11.723 11.834 11.944	90.6 90.6 90.6 90.6 90.7 90.7 90.7	1481.0 1480.7 1480.4 1480.5 1480.4 1480.3 1480.1 1480.1 1480.2	3337.6 3446.4 3556.3 3667.4 3779.7 3893.1 4007.7 4123.4 4240.1 4358.0	15.1 18.9 6.3 13.6 16.3 12.7 12.4 12.1 18.3 16.2
600.0 610.0 620.0 630.0 640.0 650.0 660.0 680.0 690.0	596.1 606.0 616.0 625.9 635.8 645.7 665.5 675.4 685.3	4.950 4.998 4.931 4.956 4.891 4.862 4.737 4.760 4.686 4.527	4.902 4.949 4.882 4.905 4.811 4.685 4.707 4.633 4.474	34.185 34.204 34.210 34.227 34.237 34.242 34.235 34.254 34.251 34.244	27.040 27.050 27.062 27.073 27.088 27.096 27.104 27.117 27.123 27.135	29.801 29.855 29.914 29.971 30.033 30.086 30.142 30.200 30.253 30.313	27.035 27.044 27.057 27.067 27.083 27.090 27.098 27.111 27.117 27.129	107.8 107.1 106.0 105.1 103.7 103.0 102.2 101.2 100.6 99.3	12.053 12.160 12.267 12.373 12.477 12.580 12.683 12.784 12.885 12.985	90.7 90.6 90.6 90.7 90.7 90.7 90.7 90.6 90.6	1479.5 1479.9 1479.8 1480.1 1480.0 1480.1 1479.7 1480.0 1479.8 1479.3	4476.9 4596.9 4718.0 4840.0 4963.2 5087.3 5212.5 5338.7 5465.8 5594.0	16.2 10.1 8.0 13.0 19.2 7.2 10.6 14.5 6.6 12.7
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.2 705.1 715.0 724.9 734.8 744.8 754.7 764.5 774.5	4.485 4.470 4.445 4.402 4.401 4.371 4.287 4.256 4.258	4.432 4.415 4.389 4.346 4.344 4.364 4.313 4.229 4.197 4.198	34.251 34.264 34.269 34.274 34.289 34.305 34.306 34.309 34.317 34.327	27.145 27.157 27.164 27.172 27.184 27.196 27.201 27.212 27.222 27.230	30.370 30.428 30.481 30.536 30.593 30.650 30.761 30.817 30.871	27.139 27.151 27.158 27.166 27.178 27.189 27.195 27.207 27.216 27.224	98.3 97.3 96.7 96.0 95.0 94.0 93.5 92.4 91.5 90.9	13.084 13.182 13.279 13.375 13.471 13.566 13.659 13.752 13.844 13.935	90.7 90.6 90.6 90.6 90.7 90.6 90.7 90.6	1479.3 1479.4 1479.5 1479.5 1479.7 1480.0 1479.9 1479.7 1479.8 1480.0	5723.1 5853.2 5984.2 6116.2 6249.2 6383.1 6517.9 6653.6 6790.2 6927.7	10.0 14.1 4.8 7.7 4.2 12.7 9.5 9.5 8.0 19.7
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.5 873.4 883.3	4.230 4.177 4.150 4.126 4.090 4.100 4.074 4.036 3.998 4.000	4.170 4.116 4.089 4.063 4.027 4.036 4.009 3.971 3.933 3.933	34.337 34.341 34.352 34.359 34.366 34.377 34.379 34.385 34.392 34.398	27.241 27.250 27.262 27.269 27.279 27.287 27.292 27.300 27.309 27.314	30.928 30.983 31.041 31.095 31.151 31.204 31.255 31.310 31.366 31.416	27.235 27.244 27.255 27.263 27.272 27.280 27.285 27.294 27.303 27.307	89.9 89.1 88.0 87.3 86.5 85.4 84.7 83.8	14.026 14.115 14.204 14.291 14.378 14.464 14.550 14.635 14.719 14.803	90.6 90.6 90.6 90.7 90.6 90.7 90.6 90.7 90.6	1480.0 1480.0 1480.0 1480.1 1480.1 1480.4 1480.4 1480.4 1480.6	7066.2 7205.5 7345.6 7486.7 7628.6 7771.3 7914.9 8059.3 8204.6 8350.6	6.6 15.1 6.0 8.9 6.7 6.7 11.6 2.2
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.2 903.1 913.0 922.9 932.8 942.7 952.6 962.5 972.4 982.3	3.951 3.938 3.911 3.876 3.852 3.828 3.833 3.825 3.803 3.777	3.884 3.870 3.843 3.807 3.783 3.757 3.762 3.753 3.730 3.704	34.402 34.404 34.408 34.412 34.417 34.425 34.435 34.440 34.446 34.451	27.323 27.326 27.332 27.338 27.345 27.354 27.361 27.366 27.373 27.379	31.471 31.521 31.573 31.626 31.679 31.734 31.786 31.837 31.890 31.943	27.316 27.319 27.325 27.332 27.338 27.347 27.354 27.359 27.366 27.372	81.9 81.3 80.7 79.9 79.4 78.9	14.886 14.969 15.051 15.132 15.213 15.294 15.373 15.452 15.531 15.609	90.6 90.6 90.6 90.7 90.7 90.6 90.6 90.6 90.6	1480.6 1480.7 1480.8 1480.8 1480.9 1481.1 1481.3 1481.3	8497.5 8645.2 8793.8 8943.1 9093.2 9244.1 9395.8 9548.2 9701.4 9855.4	8.4 8.9 8.4 9.8 7.8 5.4 6.1 7.8

Station	43	Latitude	33° 04.70′	'n	Longitu	de 127°	22.33'W	26	Aug 1989	GMT 2	2:45	Bottom	4300 m
Pres. db	Depth m	Temp.	Pot.T. *C	Sal 0/00	Sigma-θ kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0	992.2 1011.9 1031.7 1051.5 1071.3 1091.0 1110.8 1130.6 1150.3 1170.1	3.751 3.692 3.633 3.584 3.540 3.483 3.443 3.404 3.358 3.315	3.617 3.557 3.507 3.461 3.403 3.361 3.321 3.321 3.274	34.455 34.462 34.470 34.475 34.482 34.489 34.499 34.505	27.386 27.397 27.410 27.419 27.428 27.440 27.448 27.455 27.464 27.472	31.996 32.099 32.205 32.306 32.408 32.513 32.612 32.713 32.814 32.914	27.378 27.389 27.402 27.411 27.420 27.432 27.440 27.448 27.456 27.464	77.2 76.2 75.0 74.2 73.4 72.3 71.6 70.9 70.2 69.5	15.686 15.840 15.991 16.140 16.288 16.434 16.578 16.720 16.861 17.001	90.6 90.6 90.6 90.6 90.6 90.6 90.6	1481.5 1481.6 1481.8 1481.9 1482.0 1482.2 1482.4 1482.5 1482.7	10010.2 10322.0 10636.7 10954.4 11275.0 11598.5 11924.8 12253.9 12585.7 12920.3	6.4 4.0 3.4 3.2 10.2 1.7 2.3 4.7 3.5 5.5
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0	1189.8 1209.6 1229.4 1249.1 1268.9 1288.6 1308.4 1328.1 1347.9 1367.6	3.281 3.246 3.205 3.162 3.135 3.097 3.065 3.023 3.003 2.970	3.159 3 3.116 3 3.072 3 3.044 3 3.004 3 2.972 3 2.928 3 2.907 3	4.513 4.516 4.521 4.526 4.528 4.532 4.536 4.540 4.542 4.542	27.478 27.485 27.492 27.500 27.504 27.511 27.517 27.524 27.528 27.534	33.012 33.111 33.210 33.311 33.407 33.506 33.604 33.704 33.799 33.896	27.470 27.476 27.484 27.492 27.502 27.508 27.516 27.519 27.525	69.0 68.4 67.7 67.0 66.6 66.1 65.6 64.8 64.6	17.139 17.277 17.413 17.548 17.681 17.814 17.946 18.076 18.206 18.334	90.6 90.5 90.6 90.6 90.6 90.6 90.5	1482.8 1483.0 1483.2 1483.4 1483.6 1483.7 1483.9 1484.1 1484.4 1484.5	13257.7 13597.7 13940.3 14285.7 14633.6 14984.1 15337.2 15692.9 16051.1 16411.8	4.7 4.1 3.5 5.3 5.3 3.6 5.1
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0	1387.3 1407.1 1426.8 1446.6 1466.3 1505.8 1525.5 1545.2 1564.9	2.938 2.908 2.869 2.832 2.797 2.772 2.744 2.712 2.683 2.655	2.807 3 2.767 3 2.729 3 2.693 3 2.667 3 2.638 3 2.604 3 2.574 3	4.548 4.551 4.555 4.558 4.561 4.566 4.569 4.572 4.574	27.539 27.544 27.550 27.556 27.567 27.571 27.576 27.581 27.585	33.994 34.091 34.189 34.288 34.385 34.481 34.578 34.675 34.771 34.868	27.530 27.535 27.541 27.548 27.553 27.557 27.562 27.567 27.571 27.576	63.6 63.2 62.6 62.0 61.5 61.7 60.3 59.8	18.462 18.589 18.715 18.839 18.963 19.085 19.207 19.328 19.448 19.568	90.5 90.5 90.5 90.6 90.5 90.5 90.5 90.5	1484.7 1484.9 1485.1 1485.3 1485.5 1485.7 1485.9 1486.1 1486.3 1486.6	16775.0 17140.6 17508.8 17879.3 18252.3 18627.7 19005.4 19385.5 19767.9 20152.7	3.0 2.5 6.6 3.6 3.6 53.4 2.5
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.7 1604.4 1624.1 1643.8 1663.5 1683.2 1702.9 1722.6 1742.3 1762.1	2.623 2.592 2.567 2.538 2.499 2.471 2.444 2.415 2.385 2.355	2.479 3 2.453 3 2.422 3 2.382 3 2.353 3 2.324 3 2.294 3 2.263 3	4.584 4.588 4.590 4.592 4.594 4.597	27.590 27.595 27.599 27.604 27.610 27.614 27.619 27.623 27.628 27.632	34.965 35.061 35.157 35.254 35.352 35.447 35.544 35.640 35.736 35.832	27.581 27.586 27.590 27.594 27.600 27.604 27.609 27.613 27.618 27.622	59.0 58.5 58.2 57.1 56.7 56.3 55.4 55.0	19.686 19.804 19.920 20.036 20.151 20.265 20.378 20.490 20.602 20.712	90.5 90.4 90.5 90.5 90.5 90.5 90.5	1486.8 1487.0 1487.2 1487.4 1487.6 1488.0 1488.2 1488.2 1488.4 1488.6	20539.8 20929.1 21320.8 21714.6 22110.8 22509.1 22909.6 23312.3 23717.2 24124.3	2.9 4.2 3.2 2.6 4.1 -1.8 -3.6
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.8 1801.5 1821.2 1840.8 1860.6 1880.2 1899.9 1919.6 1939.3 1959.0	2.333 2.306 2.281 2.250 2.213 2.193 2.168 2.157 2.132 2.103	2.180 3. 2.154 3. 2.121 3. 2.083 3. 2.062 3. 2.035 3. 2.023 3. 1.997 3.	4.603 4.606 4.608 4.611 4.613 4.616 4.617 4.619	27.636 27.639 27.644 27.654 27.654 27.657 27.661 27.663 27.667 27.667	35.927 36.022 36.118 36.215 36.312 36.407 36.502 36.595 36.691 36.786	27.625 27.629 27.633 27.638 27.643 27.646 27.650 27.652 27.656 27.660	54.7 54.4 54.0 53.5 52.9 52.6 52.1 51.7	20.822 20.931 21.039 21.147 21.253 21.359 21.464 21.568 21.672 21.775	90.5 90.6 90.5 90.5 90.5 90.5 90.5	1488.9 1489.1 1489.3 1489.5 1489.7 1489.9 1490.2 1490.5 1490.7 1490.9	24533.4 24944.7 25358.1 25773.5 26191.0 26610.6 27032.2 27455.8 27881.5 28309.1	1.5 4.8 6.0 2.7 2.2 1.0 1.3
2000.0 2050.0 2100.0 2150.0 2200.0 2350.0 2350.0 2400.0 2450.0	1978.7 2027.9 2077.1 2126.2 2175.4 2224.6 2273.7 2322.8 2371.9 2421.1	2.079 2.043 2.002 1.963 1.933 1.899 1.874 1.845 1.815	1.902 34 1.857 34 1.814 34 1.781 34 1.742 34 1.714 34 1.681 34 1.647 34	4.628 4.633 4.637 4.640 4.644 4.646 4.648	27.676 27.681 27.689 27.696 27.701 27.706 27.710 27.714 27.719 27.723	36.882 37.115 37.349 37.583 37.814 38.046 38.276 38.505 38.736 38.965	27.665 27.670 27.677 27.684 27.689 27.698 27.702 27.706 27.710	50.8 50.3 49.7 49.1 48.2 47.6 47.6 47.2 46.8	21.877 22.130 22.380 22.627 22.872 23.114 23.354 23.593 23.830 24.065	90.6 90.5 90.6 90.5 90.5 90.5 90.5 90.5	1491.1 1491.8 1492.5 1493.2 1493.9 1494.6 1495.3 1496.0 1496.7 1497.5	28738.7 29821.2 30915.9 32022.6 33141.0 34271.2 35413.0 36566.3 37731.0 38907.0	4.0 2.3 1.7 2.6 5 1.6 5 1.6 2.0
2500.0 2550.0 2600.0 2700.0 2750.0 2800.0 2850.0 2900.0 2950.0	2470.1 2519.2 2568.3 2617.4 2666.4 2715.5 2764.5 2813.5 2862.5 2911.5	1.768 1.752 1.725 1.703 1.691 1.672 1.656 1.643 1.630	1.571 34 1.540 34 1.515 34 1.498 34 1.475 34 1.454 34 1.437 34	4.657 4.660 4.661 4.663 4.664	27.727 27.730 27.734 27.737 27.740 27.743 27.745 27.745 27.747 27.750 27.753	39.193 39.421 39.650 39.877 40.103 40.329 40.554 40.780 41.005 41.230	27.713 27.716 27.721 27.723 27.726 27.728 27.730 27.732 27.735 27.737	46.6 46.4 46.0 45.8 45.7 45.4 45.2 45.1 45.0	24.298 24.531 24.762 24.992 25.220 25.448 25.676 25.902 26.128 26.353	90.5 90.4 90.4 90.4 90.4 90.4 90.5 90.4	1498.2 1499.0 1499.7 1500.5 1501.3 1502.1 1502.8 1503.6 1504.4 1505.2	40094.2 41292.6 42502.1 43722.6 44954.1 46196.5 47449.8 48713.9 49988.8 51274.5	.9 1.5 8 1.0 2.2 5 6 2.4 -1.4
3000.0 3050.0 3100.0 3112.0	2960.5 3009.5 3058.4 3070.2	1.606 1.592 1.584 1.581	1.368 34 1.355 34	4.671 4.672 4.674	27.754 27.757 27.758 27.759	41.453 41.678 41.901 41.954	27.739 27.740 27.742 27.742	44.9 44.8 44.7 44.7	26.578 26.802 27.026 27.080	90.4 90.4 90.3 90.4	1506.0 1506.8 1507.6 1507.8	52570.9 53878.0 55195.7 55513.6	.2 .2 .0 .0

Station	44	Latitude	32 * 58.	05'N	Longit	ude 127°	06.54'W	27	7 Aug 198	9 GMT 0	2:04	Bottom	4325 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht g J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.8 59.8 69.8 79.7	19.160 19.161 19.174 19.214 19.208 19.204 17.922 16.260 15.958	19.160 19.159 19.170 19.208 19.210 19.199 19.193 17.910 16.247 15.943	33.592 33.592 33.606 33.635 33.643 33.644 33.648 33.641 33.631	23.906 23.907 23.914 23.927 23.928 23.935 23.941 24.196 24.639 24.765	23.906 23.950 24.001 24.057 24.102 24.152 24.201 24.501 24.990 25.160	23.906 23.906 23.913 23.925 23.927 23.932 24.193 24.636 24.762	399.0 399.3 399.0 398.1 398.3 397.9 373.8 331.7 320.0	.000 .399 .798 1.197 1.595 1.993 2.391 2.782 3.126 3.451	90.1 90.2 90.1 90.1 90.1 90.0 89.8 90.2 90.2	1518.1 1518.3 1518.8 1519.0 1519.2 1519.3 1515.7 1511.0 1510.3	.0 2.0 8.0 17.9 31.8 49.7 71.6 97.3 126.8 159.6	.0 -3.1 30.1 1.2 .3 7.6 21.4 834.1 107.9 87.1
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	15.566 15.326 14.471 13.826 13.128 12.546 12.179 11.634 11.079 10.559	15.551 15.309 14.454 13.808 13.109 12.526 12.158 11.613 11.057 10.537	33.722 33.756 33.695 33.593 33.593 33.544 33.540 33.564 33.603	24.866 24.946 25.084 25.176 25.281 25.377 25.429 25.528 25.547 25.770	25.306 25.430 25.614 25.752 25.904 26.045 26.143 26.288 26.455 26.624	24.863 24.942 25.080 25.172 25.278 25.373 25.425 25.644 25.766	310.6 303.3 290.3 281.7 271.7 262.8 258.1 237.4 225.8	3.768 4.075 4.372 4.659 4.935 5.203 5.464 5.717 5.960 6.192	90.3 90.4 90.3 90.6 90.7 90.8 90.9 91.0 91.0	1509.2 1508.7 1506.0 1504.0 1501.8 1500.0 1498.9 1497.1 1495.4 1493.7	195.5 234.6 276.6 321.6 369.3 419.8 472.8 528.4 586.5 646.9	101.4 83.2 72.8 136.5 116.2 111.1 110.4 52.7 154.8 92.9
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 248.8 258.8 268.7 278.6 288.6	10.251 9.807 9.501 9.292 9.065 8.837 8.617 8.434 8.205 8.016	10.228 9.783 9.477 9.267 9.039 8.811 8.590 8.406 8.176 7.987	33.623 33.689 33.748 33.778 33.842 33.936 33.936 33.966 33.978	25.839 25.965 26.062 26.119 26.205 26.280 26.349 26.401 26.445 26.481	26.739 26.912 27.055 27.158 27.291 27.412 27.528 27.625 27.716 27.798	25.835 25.961 26.058 26.115 26.201 26.276 26.345 26.397 26.440 26.476	219.4 207.4 198.4 193.1 184.9 178.0 171.5 166.7 162.6 159.3	6.415 6.629 6.831 7.027 7.216 7.397 7.571 7.740 7.905 8.066	91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0	1492.8 1491.4 1490.5 1490.0 1489.4 1488.7 1488.1 1486.9 1486.9	709.6 774.5 841.4 910.2 981.0 1053.6 1128.0 1204.0 1281.7 1361.0	63.8 87.5 81.3 50.2 91.2 47.8 59.2 41.3 45.9 17.5
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.2 358.1 368.0 377.9 387.9	7.887 7.712 7.546 7.401 7.230 7.093 6.977 6.809 6.664 6.558	7.857 7.682 7.515 7.369 7.198 7.060 6.943 6.775 6.629 6.523	33.986 33.983 33.987 33.987 33.991 33.991 33.996 34.004 34.008	26.499 26.522 26.549 26.570 26.597 26.616 26.636 26.657 26.684 26.701	27.862 27.932 28.006 28.073 28.147 28.212 28.279 28.347 28.421 28.485	26.494 26.517 26.544 26.565 26.592 26.611 26.631 26.653 26.680 26.697	157.7 155.5 153.0 151.1 148.6 146.8 145.0 143.0 143.0 143.9	8.224 8.380 8.535 8.686 8.836 9.130 9.274 9.416 9.555	91.0 90.9 90.8 90.8 90.8 90.8 90.7 90.5	1486.1 1485.5 1485.1 1484.7 1484.2 1483.8 1483.5 1483.0 1482.6 1482.4	1441.9 1524.4 1608.4 1693.9 1780.9 1869.3 1959.2 2050.6 2143.3 2237.5	20.7 30.6 42.9 16.5 16.5 7.4 21.7 19.3
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.2 477.2	6.473 6.416 6.300 6.223 6.188 6.076 6.041 5.951 5.888 5.784	6.437 6.380 6.263 6.185 6.149 6.037 6.001 5.911 5.846 5.743	34.015 34.021 34.021 34.026 34.037 34.044 34.062 34.071 34.076 34.078	26.719 26.730 26.746 26.760 26.773 26.792 26.811 26.830 26.842 26.856	28.548 28.606 28.669 28.729 28.788 28.854 28.919 28.984 29.043 29.104	26.714 26.726 26.741 26.755 26.768 26.787 26.806 26.825 26.837 26.851	137.4 136.3 134.9 133.7 132.5 130.7 129.0 127.3 126.2 124.9	9.693 9.830 9.966 10.100 10.233 10.365 10.495 10.623 10.750 10.875	90.3 90.2 89.9 89.8 89.6 89.4 89.6 89.8 90.0	1482.2 1482.1 1481.8 1481.7 1481.7 1481.5 1481.5 1481.3 1481.2 1481.0	2333.0 2429.9 2528.1 2627.7 2728.6 2830.7 2934.2 3039.0 3145.0 3252.2	11.1 9.3 19.0 9.0 21.0 22.2 14.3 11.3 12.5 12.8
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.8 526.8 536.7 546.6 556.4 576.3 586.2	5.731 5.607 5.447 5.334 5.298 5.196 5.117 5.116 4.974 4.990	5.689 5.564 5.404 5.291 5.254 5.151 5.072 5.070 4.927 4.943	34.089 34.086 34.086 34.106 34.114 34.124 34.146 34.146 34.162	26.872 26.884 26.903 26.921 26.937 26.956 26.973 26.991 27.007 27.018	29.165 29.225 29.292 29.357 29.419 29.484 29.548 29.612 29.676 29.732	26.866 26.879 26.898 26.916 26.932 26.950 26.968 26.985 27.001 27.012	123.6 122.3 120.5 118.7 117.3 115.6 114.0 112.4 110.8 109.9	11.000 11.122 11.244 11.363 11.482 11.598 11.713 11.826 11.938 12.048	90.2 90.3 90.4 90.5 90.6 90.6 90.6 90.6	1480.9 1480.6 1480.1 1479.8 1479.9 1479.6 1479.5 1479.7 1479.2	3360.7 3470.4 3581.3 3693.4 3806.7 3921.1 4036.7 4153.4 4271.2 4390.0	14.2 15.4 21.2 13.0 18.6 19.7 15.9 29.1 12.7 14.1
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0 690.0	596.2 606.1 616.0 625.8 645.7 655.6 665.5 675.4 685.3	4.958 4.864 4.798 4.722 4.640 4.658 4.611 4.563 4.516 4.481	4.910 4.816 4.749 4.673 4.591 4.607 4.560 4.511 4.464 4.428	34.175 34.181 34.189 34.199 34.193 34.214 34.219 34.223 34.230 34.241	27.032 27.046 27.061 27.077 27.082 27.097 27.105 27.115 27.125 27.137	29.792 29.854 29.915 29.978 30.030 30.090 30.145 30.201 30.258 30.316	27.027 27.041 27.056 27.072 27.076 27.091 27.100 27.109 27.119 27.131	108.6 107.3 105.9 104.4 103.9 102.7 101.0 100.1 99.0	12.157 12.265 12.372 12.477 12.581 12.684 12.787 12.888 12.989 13.088	90.6 90.7 90.6 90.7 90.7 90.7 90.7 90.7 90.7	1479.5 1479.3 1479.2 1479.1 1478.9 1479.2 1479.1 1479.1 1479.1	4510.0 4631.1 4753.1 4876.3 5000.4 5125.6 5251.8 5379.0 5507.2 5636.4	15.6 24.7 13.0 11.2 14.1 12.4 14.4 6.5 9.4 8.9
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0	695.2 705.2 715.0 725.0 734.9 74.8 754.7 764.6 774.5 784.4	4.464 4.438 4.402 4.388 4.369 4.346 4.324 4.290 4.257 4.228	4.411 4.384 4.347 4.332 4.312 4.289 4.266 4.232 4.198 4.168	34.246 34.253 34.264 34.276 34.278 34.288 34.289 34.308 34.318 34.326	27.143 27.152 27.164 27.175 27.179 27.190 27.201 27.221 27.223 27.233	30.369 30.423 30.482 30.539 30.590 30.646 30.704 30.760 30.818 30.874	27.138 27.146 27.159 27.170 27.174 27.184 27.195 27.206 27.217 27.226	98.5 97.8 96.6 95.6 95.3 94.4 93.4 91.5 90.6	13.187 13.285 13.382 13.479 13.574 13.669 13.763 13.856 13.948 14.039	90.7 90.6 90.6 90.6 90.6 90.5 90.7 90.6	1479.2 1479.3 1479.3 1479.4 1479.5 1479.6 1479.7 1479.7 1479.8 1479.8	5766.5 5897.6 6029.7 6162.8 6296.7 6431.6 6567.5 6704.2 6841.9 6980.4	5.9 10.9 13.6 8.3 8 13.6 13.9 11.8 8.3
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.7 863.6 873.5 883.4	4.201 4.174 4.157 4.111 4.119 4.094 4.045 4.041 3.974 3.988	4.141 4.112 4.095 4.049 4.055 4.030 3.981 3.976 3.908 3.922	34.334 34.349 34.357 34.368 34.375 34.382 34.390 34.393 34.402	27.242 27.252 27.259 27.269 27.278 27.286 27.296 27.303 27.312 27.319	30.929 30.985 31.038 31.096 31.149 31.204 31.260 31.314 31.370 31.421	27.236 27.246 27.252 27.263 27.271 27.279 27.290 27.297 27.306 27.312	89.8 88.9 88.3 87.3 86.7 85.9 84.3 83.5	14.129 14.218 14.307 14.395 14.482 14.568 14.653 14.738 14.822 14.905	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1479.9 1480.0 1480.1 1480.0 1480.3 1480.3 1480.3 1480.5 1480.5	7119.9 7260.2 7401.4 7543.4 7686.4 7830.1 7974.7 8120.2 8266.4 8413.5	10.9 6.6 10.4 11.5 8.0 11.0 8.6 12.4 1.3 9.8
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.0 922.9 932.8 942.7 952.6 962.5 972.4 982.3	3.966 3.968 3.919 3.870 3.862 3.834 3.834 3.796 3.776	3.898 3.900 3.851 3.843 3.800 3.791 3.763 3.741 3.723 3.703	34.409 34.416 34.421 34.426 34.432 34.437 34.439 34.444 34.447	27.326 27.332 27.341 27.346 27.355 27.360 27.364 27.370 27.374 27.380	31.475 31.526 31.582 31.632 31.688 31.739 31.789 31.841 31.892 31.944	27.320 27.325 27.334 27.339 27.348 27.353 27.357 27.363 27.367 27.363	82.3 81.9 81.1 50.7 79.8 79.5 79.1 78.6 78.2 77.7	14.988 15.070 15.151 15.232 15.312 15.392 15.471 15.550 15.628 15.706	90.5 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1480.7 1480.8 1480.8 1480.9 1480.9 1481.1 1481.1 1481.2 1481.3 1481.4	8561.4 8710.1 8859.6 9009.9 9161.0 9312.9 9465.6 9619.0 9773.2 9928.1	7.5 9.2 8.1 4.6 3.7 4.9 5.5 8.4

Station	44	Latitude	32° 58.	05'N	Longitu	ide 127°	06.54'W	27	Aug 1989	GMT O	2:04	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-θ kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m3/s2	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0 1180.0	992.2 1012.0 1031.7 1051.5 1071.3 1091.1 1110.8 1130.6 1150.3 1170.1	3.756 3.720 3.679 3.636 3.581 3.538 3.490 3.437 3.379 3.333	3.682 3.645 3.603 3.558 3.5502 3.458 3.408 3.354 3.296 3.249	34.455 34.461 34.468 34.472 34.479 34.486 34.493 34.497 34.504 34.508	27.385 27.393 27.403 27.411 27.422 27.431 27.442 27.450 27.462 27.469	31.995 32.095 32.197 32.298 32.401 32.503 32.605 32.707 32.811 32.911	27.378 27.386 27.395 27.404 27.414 27.424 27.434 27.434 27.454 27.454	77.3 76.6 75.8 75.0 74.1 73.2 72.3 71.5 70.4 69.8	15.784 15.938 16.090 16.241 16.390 16.537 16.683 16.968 17.109	90.7 90.5 90.6 90.6 90.6 90.6 90.6	1481.5 1481.7 1481.8 1482.0 1482.1 1482.3 1482.4 1482.5 1482.6 1482.7	10083.9 10397.6 10714.3 11034.0 11356.6 11682.1 12010.4 12341.6 12675.6 13012.3	4.9 6.7 4.9 6.4 5.5 3.2 6.4 3.7
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0 1380.0	1189.9 1209.6 1229.4 1249.2 1268.9 1288.7 1308.4 1328.2 1347.9 1367.6	3.306 3.269 3.239 3.183 3.151 3.107 3.072 3.038 3.000 2.958	3.219 3.181 3.150 3.093 3.059 3.014 2.978 2.943 2.904 2.860	34.512 34.516 34.520 34.525 34.528 34.536 34.536 34.540 34.543 34.547	27.475 27.482 27.488 27.503 27.510 27.517 27.523 27.529 27.537	33.008 33.108 33.205 33.307 33.405 33.505 33.504 33.702 33.800 33.900	27.467 27.474 27.480 27.489 27.495 27.502 27.508 27.514 27.520 27.528	69.3 68.7 68.2 67.3 66.1 65.6 65.6 65.0	17.247 17.386 17.522 17.658 17.792 17.925 18.057 18.187 18.317 18.445	90.6 90.6 90.6 90.5 90.5 90.5 90.5	1483.0 1483.1 1483.3 1483.4 1483.6 1484.0 1484.2 1484.3 1484.5	13351.7 13693.9 14038.7 14386.2 14736.3 15089.1 15444.4 15802.2 16162.6 16525.5	1.2 3.5 3.5 5.6 3.0 1.5 2.1 2.1
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.4 1407.1 1426.8 1446.6 1466.3 1486.1 1505.8 1525.5 1545.2 1564.9	2.928 2.897 2.861 2.821 2.778 2.753 2.718 2.689 2.6657 2.622	2.829 2.797 2.759 2.718 2.675 2.648 2.612 2.581 2.548 2.512	34.550 34.553 34.557 34.565 34.565 34.567 34.570 34.572 34.575 34.578	27.542 27.5547 27.5560 27.5667 27.571 27.571 27.581 27.586 27.591	33.997 34.094 34.193 34.291 34.391 34.486 34.584 34.584 34.680 34.778 34.875	27.533 27.538 27.545 27.551 27.558 27.562 27.567 27.571 27.577 27.582	63.3 62.9 62.3 61.7 61.0 60.7 60.1 59.7 59.3 58.7	18.572 18.698 18.823 18.948 19.070 19.192 19.313 19.433 19.552 19.670	90.5 90.6 90.5 90.5 90.5 90.5 90.5	1484.7 1484.9 1485.1 1485.3 1485.4 1485.8 1486.0 1486.2 1486.2	16890.9 17258.7 17629.0 18001.7 18376.8 18754.3 19134.1 19516.3 19900.8 20287.6	6.3 3.0 2.8 2.2 1.9 1.6 4.3 5.5
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.7 1604.4 1624.1 1643.8 1663.5 1683.3 1703.0 1722.7 1742.4 1762.1	2.588 2.553 2.525 2.496 2.465 2.441 2.404 2.372 2.341 2.317	2.477 2.441 2.411 2.380 2.348 2.323 2.285 2.252 2.219 2.194	34.580 34.583 34.585 34.588 34.591 34.596 34.598 34.602 34.605	27.596 27.602 27.606 27.611 27.619 27.629 27.629 27.635 27.640	34.972 35.069 35.165 35.262 35.359 35.454 35.552 35.648 35.746 35.842	27.587 27.592 27.596 27.601 27.606 27.615 27.619 27.625 27.630	58.3 57.4 56.4 56.4 55.6 55.6 554.2	19.787 19.903 20.018 20.132 20.246 20.358 20.470 20.581 20.691 20.799	90.4 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1486.6 1486.8 1487.0 1487.2 1487.4 1487.7 1487.8 1488.0 1488.2 1488.5	20676.6 21068.0 21461.5 21857.3 22255.3 22655.5 23057.9 23462.4 23869.1 24277.8	2.4 2.4 3.3 1.7 4.2 4.4 2.8
1800.0 1820.0 1840.0 1860.0 1880.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.8 1801.5 1821.2 1840.9 1860.6 1880.3 1900.0 1919.6 1939.3 1959.0	2.293 2.268 2.253 2.222 2.192 2.176 2.162 2.145 2.121 2.096	2.168 2.142 2.126 2.093 2.063 2.045 2.030 2.011 1.985 1.960	34.607 34.609 34.611 34.612 34.613 34.615 34.616 34.618 34.621 34.624	27.644 27.647 27.650 27.654 27.657 27.669 27.669 27.669 27.674	35.937 36.032 36.126 36.221 36.317 36.410 36.504 36.597 36.693 36.789	27.633 27.637 27.639 27.643 27.647 27.651 27.654 27.659 27.663	53.8 53.5 53.3 52.9 52.5 52.3 52.1 51.4 51.0	20.907 21.014 21.121 21.227 21.333 21.438 21.542 21.646 21.749 21.851	90.5 90.6 90.5 90.5 90.5 90.5 90.5 90.5	1488.7 1488.9 1489.2 1489.4 1489.6 1489.9 1490.2 1490.4 1490.6 1490.9	24688.7 25101.6 25516.6 25933.7 26352.8 26773.9 27197.1 27622.2 28049.4 28478.5	3.0 2 4.5 2.4 1.0 2.2 1.3 1.0
2000.0 2050.0 2100.0 2150.0 2200.0 2350.0 2350.0 2400.0 2450.0	1978.7 2027.9 2077.1 2126.3 2175.4 2224.6 2273.7 2322.9 2372.0 2421.1	2.084 2.038 1.999 1.964 1.938 1.915 1.889 1.849 1.822	1.946 1.896 1.854 1.815 1.785 1.759 1.728 1.684 1.654	34.625 34.633 34.638 34.641 34.644 34.645 34.648 34.650 34.652	27.676 27.683 27.690 27.696 27.701 27.705 27.709 27.714 27.718 27.722	36.882 37.117 37.350 37.583 37.815 38.044 38.273 38.505 38.734 38.964	27.665 27.672 27.678 27.684 27.689 27.693 27.696 27.702 27.705 27.709	50.8 50.2 49.6 49.1 48.7 48.4 47.6 47.3	21.953 22.206 22.455 22.702 22.946 23.189 23.431 23.670 23.907 24.143	90.5 90.5 90.5 90.5 90.5 90.4 90.4 90.4	1491.2 1491.8 1492.5 1493.2 1493.9 1494.6 1496.0 1496.8 1497.5	28909.6 29996.0 31094.4 32204.7 33326.9 34460.8 35606.3 36763.3 37931.8 39111.6	2.5 .8 2.1 .3 2 2.2 2.2
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2950.0	2470.2 2519.3 2568.3 2617.4 2666.4 2715.5 2764.5 2813.5 2862.6 2911.5	1.767 1.747 1.729 1.710 1.685 1.668 1.653 1.642 1.624	1.591 1.567 1.544 1.521 1.492 1.471 1.452 1.436 1.414 1.392	34.654 34.658 34.660 34.663 34.665 34.666 34.667 34.669 34.670	27.726 27.729 27.733 27.736 27.740 27.743 27.745 27.748 27.750 27.753	39.192 39.421 39.648 39.875 40.103 40.330 40.555 40.780 41.006 41.231	27.712 27.716 27.719 27.721 27.726 27.729 27.730 27.733 27.735 27.738	46.7 46.4 46.2 46.0 45.6 45.5 45.3 45.2 45.0	24.377 24.610 24.842 25.072 25.302 25.529 25.756 25.983 26.433	90.5 90.4 90.4 90.4 90.4 90.4 90.4 90.4	1498.2 1499.0 1499.8 1500.5 1501.3 1502.0 1502.8 1503.6 1503.6 1505.2	40302.7 41505.0 42718.4 43942.9 45178.3 46424.7 47682.0 48950.0 50228.9 51518.5	1.5 1.5 .7 .7 1.6 1.1 .0 6 1.8
3000.0 3050.0 3100.0 3102.0	2960.5 3009.5 3058.5 3060.4	1.593 1.582 1.569 1.570	1.373 1.358 1.341 1.341	34.671 34.673 34.675 34.674	27.756 27.758 27.761 27.760	41.456 41.680 41.904 41.912	27.740 27.742 27.744 27.743	44.7 44.6 44.4 44.5	26.657 26.880 27.102 27.111	90.4 90.4 90.4 90.4	1506.0 1506.8 1507.6 1507.6	52818.8 54129.7 55451.3 55504.4	2.2 .2 .0

Station	45	Latitude	32 47	.16'N	Longi	Lude 127°	13.66'W	2	7 Aug 198	9 GMT C	5:01	Bottom	4400 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-(kg/m ³	9 Sigma-z kg/m ³			Dyn.Ht		sv	m ³ /s ²	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	10.0 19.9 29.9 39.9 49.8 59.8 79.7 89.7	19.118 19.117 19.123 19.120 19.113 18.807 18.813 17.455 16.192 16.434	19.118 19.115 19.119 19.115 19.106 18.798 18.802 17.444 16.179 16.419	33.486 33.485 33.486 33.486 33.503 33.503 33.586 33.586 33.856	23.835 23.836	23.835 23.879 23.922 23.967 24.012 24.147 24.269 24.631 24.989 25.167	23.835 23.836 23.834 23.835 23.837 23.927 24.006 24.322 24.635 24.769	405.7 406.0 406.5 406.7 406.9 398.5 391.4 361.4 331.8 319.4	.000 .406 .812 1.219 1.626 2.030 2.426 2.806 3.148 3.472	90.0 90.1 90.0 90.0 90.0 89.7 89.9 90.1	1517.9 1518.1 1518.2 1518.4 1518.5 1517.8 1518.2 1514.3 1510.7 1511.9	2.0 8.1 18.2 32.4 50.6 72.8 98.9 128.6 161.6	.0 2 3 9.9 85.4 144.9 587.4 107.0
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3	16.116 15.644 14.920 14.383 13.657 13.110 12.411 11.744 11.354 10.887	16.100 15.627 14.902 14.364 13.637 13.089 12.390 11.722 11.332 10.864	33.862 33.827 33.745 33.734 33.631 33.617 33.574 33.534 33.550 33.571	24.851 24.931 25.026 25.133 25.205 25.305 25.503 25.503 25.587 25.687	25.289 25.414 25.556 25.708 25.826 25.971 26.122 26.263 26.394 26.540	24.847 24.927 25.023 25.129 25.201 25.301 25.404 25.499 25.583 25.683	312.2 304.9 295.9 285.9 279.2 269.9 260.1 251.1 243.2 233.8	3.789 4.097 4.398 4.689 4.972 5.246 5.511 5.767 6.014 6.254	90.2 90.3 90.1 90.5 90.7 90.8 90.9 91.0	1511.1 1509.8 1507.5 1506.0 1503.6 1501.9 1499.5 1499.5 1496.3 1494.8	197.7 237.0 279.3 324.5 372.6 423.4 477.0 533.1 591.7 652.7	96.8 82.7 110.3 91.5 99.6 91.6 68.3 100.7 82.8 109.9
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.0 229.0 238.9 248.9 258.8 268.7 278.7 288.6	10.272 10.025 9.543 9.257 9.080 8.865 8.536 8.390 8.244 8.112	10.248 10.001 9.519 9.232 9.054 8.839 8.509 8.362 8.216 8.082	33.606 33.659 33.740 33.839 33.900 33.961 33.970 33.976 33.988	25.822 25.905 26.048 26.172 26.249 26.313 26.382 26.411 26.438 26.467	26.722 26.851 27.041 27.211 27.334 27.444 27.560 27.636 27.709 27.784	25.818 25.901 26.044 26.168 26.244 26.308 26.378 26.407 26.434 26.463	221.0 213.2 199.7 188.0 180.9 174.9 168.4 165.7 163.3 160.6	6.483 6.700 6.905 7.100 7.286 7.464 7.637 7.804 7.968 8.130	90.9 90.9 91.0 90.9 90.9 91.0 91.0 90.9	1492.8 1492.2 1490.7 1489.9 1489.5 1488.8 1487.5 1487.1 1486.8	716.0 781.5 849.2 918.8 990.3 1063.5 1138.6 1215.3 1293.6 1373.5	182.7 165.7 97.7 115.5 115.5 65.7 37.2 38.9 28.9
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.2 348.2 358.1 368.0 378.0 387.9	7.985 7.879 7.721 7.579 7.442 7.368 7.261 7.099 6.960 6.869	7.955 7.848 7.690 7.547 7.410 7.334 7.226 7.064 6.924 6.833	33.991 33.994 34.001 33.997 33.998 34.009 34.012 34.007 34.002 34.011	26.488 26.506 26.535 26.552 26.573 26.573 26.610 26.628 26.643 26.662	27.851 27.915 27.990 28.054 28.121 28.186 28.250 28.316 28.377 28.443	26.484 26.502 26.530 26.548 26.568 26.587 26.605 26.624 26.638 26.658	158.7 157.1 154.5 152.9 151.0 149.3 147.7 146.0 144.6 142.9	8.290 8.447 8.603 8.757 8.908 9.058 9.207 9.354 9.499 9.643	90.9 90.9 90.8 90.9 90.8 90.8 90.8	1486.4 1486.2 1485.8 1485.4 1485.0 1484.6 1484.6 1483.8 1483.6	1455.1 1538.2 1622.9 1709.0 1796.7 1885.9 1976.6 2068.7 2162.3 2257.3	12.5 31.2 28.3 24.7 24.4 18.3 26.7 16.2 22.3
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.3 477.2 487.1	6.686 6.516 6.399 6.283 6.191 6.138 6.038 5.994 5.984	6.649 6.479 6.361 6.245 6.153 6.099 5.998 5.998 5.942 5.942	34.005 34.007 34.011 34.020 34.029 34.034 34.049 34.070 34.081	26.683 26.707 26.725 26.740 26.759 26.773 26.790 26.807 26.825 26.837	28.510 28.581 28.647 28.708 28.774 28.834 28.898 28.960 29.024 29.082	26.678 26.702 26.721 26.735 26.754 26.768 26.785 26.802 26.820 26.832	140.9 138.7 136.9 135.6 133.8 132.6 131.0 127.9 126.9	9.785 9.925 10.063 10.199 10.334 10.467 10.599 10.729 10.858 10.985	90.7 90.7 90.8 90.7 90.8 90.7 90.7 90.7	1483.0 1482.5 1482.2 1481.9 1481.7 1481.5 1481.5 1481.5 1481.5	2353.7 2451.5 2550.7 2651.3 2753.1 2856.3 2960.8 3066.6 3173.7 3282.0	17.6 26.0 15.2 17.5 8.4 16.6 12.8 10.2
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.9 526.8 536.7 546.6 556.4 576.3 586.3	5.861 5.791 5.658 5.563 5.426 5.265 5.131 5.045 5.009 4.981	5.818 5.748 5.615 5.518 5.382 5.220 5.086 4.999 4.963 4.934	34.095 34.106 34.113 34.111 34.109 34.114 34.125 34.131 34.137	26.861 26.881 26.894 26.911 26.926 26.944 26.963 26.982 26.991 26.999	29.153 29.219 29.280 29.343 29.406 29.472 29.539 29.604 29.659 29.713	26.855 26.875 26.889 26.906 26.920 26.939 26.958 26.958 26.985 26.993	124.7 122.9 121.5 120.0 118.5 116.8 114.9 113.1 112.4 111.7	11.111 11.235 11.357 11.478 11.597 11.715 11.831 11.945 12.057 12.170	90.7 90.6 90.6 90.6 90.7 90.7 90.7 90.7	1481.5 1481.4 1481.0 1480.8 1480.4 1479.9 1479.5 1479.3 1479.4	3391.6 3502.4 3614.5 3727.7 3842.1 3957.7 4074.4 4192.3 4311.2 4431.3	22.5 10.7 9.0 24.5 14.2 14.8 12.4 24.4 6.2 16.5
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.7 655.5 675.5	4.896 4.803 4.768 4.743 4.692 4.641 4.616 4.589 4.522 4.512	4.849 4.755 4.720 4.694 4.642 4.591 4.565 4.470 4.459	34.145 34.153 34.162 34.181 34.192 34.204 34.212 34.221 34.231 34.246	27.015 27.032 27.043 27.060 27.075 27.090 27.100 27.109 27.125 27.138	29.776 29.841 29.897 29.961 30.022 30.084 30.140 30.196 30.258 30.317	27.009 27.027 27.037 27.055 27.069 27.085 27.094 27.104 27.119 27.133	110.2 108.5 107.6 106.0 104.6 103.2 102.4 101.5 100.1 98.9	12.281 12.390 12.498 12.604 12.710 12.814 12.917 13.019 13.119 13.219	90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7	1479.2 1479.0 1479.1 1479.1 1479.1 1479.2 1479.2 1479.2 1479.3	4552.5 4674.8 4798.1 4922.5 5047.9 5174.4 5301.9 5430.4 5559.9 5690.3	22.6 15.0 13.2 11.2 21.7 15.3 8.9 19.4 15.0 13.8
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5 784.4	4.444 4.435 4.408 4.359 4.298 4.285 4.243 4.231 4.258	4.390 4.353 4.353 4.303 4.241 4.228 4.185 4.172 4.198	34.255 34.267 34.272 34.288 34.297 34.301 34.315 34.324 34.333 34.349	27.152 27.163 27.170 27.184 27.196 27.205 27.218 27.229 27.238 27.247	30.378 30.435 30.488 30.548 30.666 30.662 30.721 30.779 30.833 30.888	27.146 27.157 27.164 27.178 27.190 27.199 27.212 27.223 27.232 27.232	97.6 96.7 96.1 94.8 93.8 92.9 91.8 90.7 90.0 89.3	13.317 13.414 13.511 13.606 13.700 13.794 13.886 13.977 14.068 14.158	90.6 90.7 90.6 90.6 90.6 90.6 90.6	1479.2 1479.3 1479.4 1479.5 1479.5 1479.6 1479.6 1479.7 1480.0	5821.8 5954.2 6087.5 6221.8 6357.0 6493.2 6630.3 6768.2 6907.1 7046.8	8.9 8.3 8.0 15.0 5.9 10.9 11.2 8.6 15.6
800.0 810.0 820.0 830.0 840.0 850.0 860.0 860.0 890.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.241 4.219 4.197 4.148 4.106 4.061 4.0031 4.009 3.985 3.961	4.181 4.157 4.135 4.085 4.043 3.997 3.967 3.944 3.919 3.895	34.353 34.361 34.365 34.367 34.373 34.378 34.386 34.391 34.396 34.406	27.253 27.261 27.267 27.274 27.283 27.292 27.302 27.308 27.314 27.325	30.939 30.993 31.045 31.099 31.154 31.210 31.266 31.318 31.371 31.428	27.246 27.255 27.260 27.267 27.276 27.285 27.295 27.301 27.308 27.318	88.8 88.1 87.6 87.0 86.2 85.3 84.4 83.9 83.3	14.246 14.335 14.423 14.510 14.597 14.682 14.767 14.851 14.935 15.018	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1480.1 1480.2 1480.2 1480.2 1480.2 1480.2 1480.3 1480.4 1480.5	7187.4 7328.9 7471.3 7614.5 7758.5 7903.4 8049.2 8195.7 8343.1 8491.3	10.1 5.4 6.9 12.4 7.5 6.6 6.6 9.8 7.5
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.6 962.5 972.4 982.3	3.941 3.921 3.888 3.843 3.830 3.811 3.773 3.773 3.773	3.874 3.853 3.819 3.774 3.760 3.741 3.712 3.701 3.681 3.660	34.412 34.424 34.425 34.435 34.437 34.441 34.443 34.449	27.331 27.339 27.346 27.352 27.358 27.365 27.371 27.374 27.381 27.386	31.481 31.534 31.588 31.640 31.693 31.745 31.798 31.846 31.899 31.951	27.325 27.332 27.339 27.345 27.351 27.358 27.364 27.366 27.373 27.379	81.8 81.2 80.5 80.0 79.4 78.3 78.1 77.5	15.100 15.181 15.262 15.342 15.422 15.501 15.580 15.658 15.736 15.813	90.6 90.5 90.6 90.6 90.6 90.6 90.6 90.6	1480.6 1480.6 1480.7 1480.7 1480.8 1480.9 1480.9 1481.0 1481.1	8640.3 8790.1 8940.8 9092.2 9244.3 9397.3 9551.0 9705.5 9860.8 10016.8	3.4 7.8 9.2 3.1 5.4 4.3 8.1 5.2 6.9

Station	45	Latitude	32° 47.	16'N	Longit	ude 127°	13.66'W	27	Aug 1989	GMT 0	5:01	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kc	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0 1180.0	992.2 1012.0 1031.8 1051.5 1071.3 1091.1 1110.8 1130.6 1150.4 1170.1	3.704 3.670 3.625 3.547 3.497 3.458 3.425 3.390 3.361	3.631 3.595 3.549 3.515 3.468 3.417 3.377 3.342 3.306 3.275	34.457 34.464 34.471 34.474 34.488 34.493 34.497 34.502 34.507	27.391 27.400 27.410 27.417 27.427 27.437 27.445 27.451 27.459 27.466	32.002 32.103 32.206 32.304 32.407 32.510 32.610 32.708 32.807 32.907	27.384 27.393 27.403 27.409 27.420 27.430 27.438 27.443 27.451 27.458	76.5 75.8 74.9 74.4 73.5 72.6 71.9 71.4 70.7	15.890 16.042 16.193 16.342 16.490 16.636 16.780 16.924 17.066 17.207	90.6 90.5 90.6 90.6 90.6 90.6 90.6	1481.3 1481.5 1481.6 1481.8 1482.0 1482.1 1482.3 1482.4 1482.6 1482.8	10173.6 10489.4 10808.1 11129.8 11454.4 11781.9 12112.2 12445.3 12781.2 13119.9	4.3 6.6 3.4 2.0 8.1 3.8 1.4 1.1 2.3 3.5
1200.0 1220.0 1240.0 1260.0 1280.0 1300.0 1320.0 1340.0 1360.0	1189.9 1209.7 1229.4 1249.2 1268.9 1288.7 1308.4 1328.2 1347.9 1367.7	3.318 3.278 3.237 3.195 3.159 3.112 3.070 3.039 2.997 2.972	3.232 3.190 3.148 3.105 3.068 3.020 2.976 2.944 2.900 2.874	34.510 34.515 34.518 34.522 34.526 34.531 34.535 34.539 34.543 34.546	27.472 27.480 27.487 27.501 27.509 27.516 27.522 27.530 27.534	33.005 33.105 33.204 33.304 33.503 33.503 33.701 33.801 33.897	27.464 27.472 27.479 27.486 27.493 27.500 27.507 27.513 27.521 27.525	69.6 68.9 68.3 67.7 67.0 66.3 65.7 65.1 64.4	17.347 17.485 17.622 17.758 17.893 18.026 18.158 18.289 18.418 18.547	90.6 90.5 90.5 90.6 90.6 90.6 90.5	1483.0 1483.2 1483.3 1483.5 1483.7 1483.8 1484.0 1484.2 1484.3 1484.6	13461.3 13805.4 14152.2 14501.6 14853.8 15208.5 15565.8 15925.6 16288.0 16652.9	4.1 2.5 3.5 6.5 7.4 3.9 1.3 2.7
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0	1387.4 1407.1 1426.9 1446.6 1466.3 1505.8 1525.5 1545.3 1565.0	2.935 2.914 2.882 2.851 2.817 2.782 2.756 2.716 2.687 2.655	2.836 2.813 2.781 2.748 2.713 2.676 2.649 2.608 2.577 2.544	34.549 34.551 34.557 34.561 34.563 34.566 34.569 34.572 34.576	27.540 27.544 27.554 27.556 27.560 27.565 27.570 27.576 27.582 27.582	33.995 34.090 34.187 34.285 34.383 34.480 34.576 34.675 34.772 34.869	27.531 27.535 27.539 27.545 27.551 27.556 27.560 27.567 27.572 27.578	63.5 63.2 62.8 62.3 61.8 60.9 60.3 59.8 59.3	18.674 18.801 18.927 19.052 19.176 19.299 19.422 19.543 19.663 19.782	90.6 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1484.7 1485.0 1485.2 1485.4 1485.6 1486.0 1486.1 1486.4 1486.6	17020.3 17390.2 17762.5 18137.3 18514.5 18894.1 19276.1 19660.4 20047.1 20436.1	5.7 3.9 3.7 4.0 3.1 1.1 4.3 4.9 2.6
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0	1584.7 1604.4 1624.2 1643.9 1663.6 1683.3 1703.0 1722.7 1742.4 1762.1	2.614 2.580 2.545 2.517 2.484 2.456 2.433 2.406 2.379 2.352	2.502 2.467 2.431 2.401 2.367 2.338 2.314 2.285 2.257 2.228	34.578 34.584 34.586 34.589 34.591 34.593 34.596 34.597 34.600	27.593 27.598 27.608 27.608 27.612 27.617 27.625 27.628 27.633	34.967 35.065 35.162 35.258 35.355 35.450 35.545 35.642 35.737 35.833	27.583 27.589 27.594 27.598 27.603 27.607 27.610 27.615 27.618 27.623	58.7 58.7 57.3 56.8 56.5 55.4 55.4	19.900 20.017 20.133 20.248 20.362 20.475 20.588 20.700 20.811 20.921	90.6 90.6 90.5 90.5 90.5 90.5 90.5 90.5	1486.7 1486.9 1487.1 1487.3 1487.5 1488.0 1488.2 1488.4 1488.6	20827.4 21221.0 21616.8 22014.9 22415.2 22817.7 23222.4 23629.2 24038.2 24449.4	2.3 3.7 4.1 1.1 1.3 1.7 1.5 3.2 2.1
1800.0 1820.0 1840.0 1860.0 1880.0 1900.0 1920.0 1940.0 1960.0	1781.8 1801.5 1821.2 1840.9 1860.6 1880.3 1900.0 1919.7 1939.4 1959.1	2.333 2.311 2.291 2.266 2.244 2.221 2.202 2.173 2.161 2.147	2.209 2.185 2.163 2.138 2.113 2.089 2.069 2.039 2.025 2.010	34.603 34.604 34.607 34.608 34.611 34.612 34.614 34.616 34.618 34.620	27.637 27.640 27.644 27.651 27.654 27.657 27.661 27.664 27.667	35.929 36.023 36.118 36.212 36.308 36.402 36.497 36.592 36.686 36.779	27.627 27.629 27.633 27.636 27.640 27.643 27.646 27.650 27.653 27.655	54.6 54.3 54.0 53.7 53.3 53.1 52.4 52.4 52.1	21.031 21.140 21.248 21.356 21.463 21.569 21.675 21.780 21.885 21.989	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1488.9 1489.1 1489.4 1489.6 1489.8 1490.1 1490.3 1490.5 1490.8	24862.7 25278.1 25695.5 26115.1 26536.8 26960.5 27386.3 27814.1 28243.9 28675.7	3.6 1.8 1.5 2.1 2.9 2.5 3.5 1.6
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2350.0 2400.0 2450.0	1978.7 2027.9 2077.1 2126.3 2175.5 2224.6 2273.8 2322.9 2372.0 2421.1	2.123 2.080 2.024 1.988 1.954 1.913 1.885 1.856 1.823 1.797	1.985 1.938 1.879 1.838 1.801 1.757 1.724 1.691 1.654 1.625	34.623 34.628 34.632 34.635 34.639 34.642 34.644 34.646 34.649 34.652	27.670 27.678 27.686 27.699 27.704 27.708 27.712 27.717 27.722	36.875 37.110 37.346 37.578 37.810 38.042 38.272 38.503 38.734 38.964	27.659 27.667 27.675 27.680 27.686 27.691 27.695 27.699 27.705 27.709	51.5 50.8 50.0 49.5 49.1 48.6 48.2 47.9 47.4	22.092 22.348 22.600 22.849 23.095 23.339 23.581 23.821 24.059 24.295	90.5 90.5 90.5 90.4 90.5 90.5 90.5 90.5	1491.3 1492.0 1492.6 1493.3 1494.0 1494.6 1495.4 1496.1 1496.8 1497.5	29109.6 30202.8 31308.3 32425.9 33555.3 34696.6 35849.5 37014.0 38189.9 39377.3	4.0 1.4 2.3 2.1 1.2 1.6 1.0 2.0 2.9
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2850.0 2850.0 2950.0	2470.2 2519.3 2568.4 2617.5 2666.5 2715.6 2764.6 2813.6 2862.6 2911.6	1.775 1.760 1.744 1.727 1.708 1.694 1.658 1.645 1.625	1.599 1.579 1.559 1.537 1.515 1.497 1.475 1.452 1.434	34.656 34.660 34.661 34.663 34.664 34.665 34.666 34.667	27.726 27.730 27.733 27.736 27.739 27.741 27.743 27.746 27.748 27.748	39.193 39.420 39.647 39.874 40.100 40.326 40.551 40.777 41.001 41.228	27.713 27.716 27.719 27.722 27.724 27.726 27.728 27.730 27.732 27.736	46.7 46.5 46.3 46.1 46.0 45.7 45.7 45.5 45.4	24.529 24.762 24.994 25.225 25.455 25.684 25.913 26.141 26.368 26.595	90.5 90.5 90.4 90.5 90.4 90.4 90.4 90.4 90.5 90.4	1498.3 1499.0 1499.8 1500.6 1501.4 1502.1 1502.9 1503.7 1504.5 1505.2	40575.8 41785.6 43006.4 44238.4 445481.4 46735.3 48000.3 49276.1 50562.8 51860.3	-1.4 2 1.6 .8 .5 -1.1
3000.0 3050.0 3100.0 3104.0	2960.6 3009.6 3058.5 3062.4	1.612 1.600 1.592 1.592	1.392 1.375 1.363 1.362	34.670 34.672 34.673 34.673	27.753 27.756 27.758 27.757	41.452 41.676 41.899 41.917	27.737 27.740 27.741 27.741	45.1 44.9 44.9 44.9	26.820 27.045 27.270 27.288	90.4 90.4 90.4 90.4	1506.0 1506.8 1507.7 1507.7	53168.6 54487.6 55817.3 55924.1	.2 .8 1.1 .0

Station		Latitude			_	ude 127°	22.23'W	2	7 Aug 198	9 GMT 0			4400 m
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-6 kg/m ³	kg/m ³	kg/m ³	$10^8 \text{m}^3/\text{k}$		0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	.0 10.0 19.9 29.9 39.8 59.8 69.8 79.7	19.157 19.160 19.165 19.195 19.013 18.720 17.114 16.791 16.701	19.157 19.158 19.159 19.160 19.188 19.004 18.709 17.103 16.778 16.687	33.447 33.448 33.448 33.881 34.061 33.965 33.989 34.045	23.796 23.796 23.796 23.796 23.944 24.166 24.378 24.697 24.792 24.855	23.796 23.839 23.883 23.926 24.117 24.383 24.639 25.003 25.142 25.249	23.796 23.795 23.795 23.794 23.942 24.164 24.376 24.694 24.789 24.852	409.4 409.9 410.2 410.6 396.9 376.0 356.2 326.0 317.3 311.5	.000 .410 .820 1.230 1.633 2.022 2.385 2.720 3.041 3.355	90.1 90.1 90.2 90.0 90.0 90.0 90.2 90.2	1518.0 1518.1 1518.5 1518.9 1518.9 1518.4 1513.8 1513.0 1513.0	.0 2.0 8.2 18.4 32.7 50.9 72.9 98.3 127.0 158.9	-5.0 -5.0 6 128.8 384.5 272.3 111.6 57.1 42.1
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3	16.260 15.409 14.751 13.875 13.545 12.771 12.311 11.841 11.299 10.810	16.244 15.392 14.733 13.857 13.526 12.751 12.290 11.819 11.276 10.787	33.972 33.874 33.834 33.695 33.705 33.624 33.634 33.634 33.634	24.902 25.018 25.129 25.285 25.378 25.466 25.5660 25.762	25.340 25.503 25.661 25.785 25.906 26.179 26.322 26.466 26.615	24.898 25.015 25.128 25.205 25.281 25.374 25.462 25.559 25.656 25.758	307.4 296.4 285.8 278.6 271.6 262.8 254.6 245.5 236.3 226.7	3.664 3.967 4.258 4.541 4.816 5.085 5.343 5.593 5.835 6.067	90.3 90.2 90.4 90.6 90.7 90.7 90.8 91.0 90.9	1511.7 1509.1 1507.1 1504.3 1503.3 1500.8 1499.4 1498.0 1496.2 1494.7	193.8 231.8 272.8 316.6 363.1 412.4 464.3 518.7 575.5 634.7	106.5 169.9 52.9 61.0 36.3 130.5 68.9 98.7 112.0 122.5
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 248.8 258.8 268.7 278.6 288.6	10.340 9.986 9.583 9.255 9.068 8.803 8.673 8.488 8.332 8.171	10.316 9.962 9.559 9.230 9.043 8.777 8.646 8.460 8.303 8.141	33.683 33.729 33.789 33.846 33.916 33.916 33.948 33.967 33.975 33.991	25.870 25.967 26.080 26.178 26.237 26.305 26.350 26.393 26.424 26.461	26.770 26.913 27.073 27.217 27.323 27.437 27.527 27.618 27.694 27.777	25.866 25.962 26.076 26.174 26.233 26.301 26.345 26.389 26.419 26.456	216.5 207.4 196.6 187.5 181.9 175.6 171.5 167.4 164.7 161.3	6.288 6.500 6.702 6.894 7.078 7.256 7.430 7.599 7.765 7.928	91.0 91.0 90.9 90.9 91.0 91.0 90.9 90.9	1493.2 1492.1 1490.9 1489.4 1488.6 1488.3 1487.8 1487.4	696.1 759.7 825.3 892.9 962.3 1033.5 1106.5 1181.1 1257.4 1335.4	76.4 112.1 98.0 74.2 80.6 8.8 36.6 28.1 43.6 45.0
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.2 358.1 368.0 377.9 387.9	8.055 7.917 7.722 7.510 7.389 7.049 6.868 6.747 6.541 6.393	8.025 7.886 7.691 7.477 7.356 7.016 6.835 6.506 6.359	33.994 33.999 33.996 33.993 34.005 33.998 34.005 34.001 34.008	26.481 26.505 26.531 26.559 26.586 26.625 26.674 26.699 26.723	27.844 27.914 27.986 28.062 28.134 28.222 28.296 28.365 28.437 28.508	26.476 26.500 26.526 26.555 26.620 26.648 26.669 26.694 26.719	159.4 157.2 154.8 152.1 149.8 145.9 143.4 143.4 139.0 136.7	8.089 8.247 8.403 8.556 8.707 8.855 9.000 9.142 9.282 9.420	90.9 90.9 90.9 90.8 90.8 90.8	1486.7 1486.3 1485.8 1485.1 1484.8 1483.6 1483.1 1482.8 1482.1 1481.7	1414.9 1496.1 1578.7 1662.9 1748.6 1835.8 1924.5 2014.5 2105.9 2198.8	15.2 36.2 23.9 25.3 38.5 31.1 12.0 24.0 28.4 15.2
400.0 410.0 420.0 430.0 440.0 450.0 460.0 480.0 490.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.2 477.2	6.239 6.170 6.106 5.969 5.878 5.827 5.780 5.736 5.681 5.531	6.204 6.134 6.069 5.932 5.841 5.789 5.741 5.696 5.640	34.014 34.016 34.023 34.027 34.030 34.033 34.037 34.041 34.055	26.748 26.758 26.768 26.789 26.804 26.812 26.830 26.839 26.869	28.580 28.637 28.693 28.761 28.822 28.877 28.931 28.986 29.042 29.119	26.743 26.754 26.764 26.785 26.799 26.808 26.816 26.825 26.834 26.864	134.4 133.5 132.6 130.6 129.3 128.5 127.8 127.1 126.3 123.4	9.556 9.690 9.823 9.954 10.084 10.213 10.341 10.469 10.596	90.8 90.8 90.8 90.8 90.7 90.7 90.7 90.7	1481.3 1481.1 1480.7 1480.5 1480.4 1480.4 1480.4 1480.3 1479.9	2292.9 2388.4 2485.3 2583.4 2682.8 2783.5 2885.4 2988.7 3093.2 3198.9	11.3 13.1 16.9 .7 20.1 5.7 5.7 15.1 13.3 32.3
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.8 526.8 536.7 546.6 556.5 566.4 576.3 586.2	5.442 5.348 5.293 5.218 5.238 5.174 5.157 5.137 5.033 4.990	5.401 5.306 5.251 5.175 5.194 5.130 5.112 5.091 4.986 4.943	34.062 34.068 34.072 34.081 34.101 34.103 34.114 34.117 34.129 34.138	26.885 26.901 26.911 26.927 26.940 26.949 26.965 26.965 26.986 26.999	29.182 29.245 29.301 29.364 29.478 29.535 29.586 29.654 29.713	26.880 26.896 26.906 26.922 26.935 26.944 26.955 26.960 26.981 26.993	121.9 120.4 119.6 118.1 116.9 116.1 115.2 114.8 112.8	10.844 10.965 11.085 11.204 11.321 11.438 11.554 11.669 11.782 11.894	90.7 90.7 90.7 90.6 90.7 90.6 90.7 90.6 90.7	1479.7 1479.5 1479.5 1479.6 1479.6 1479.6 1479.7 1479.7 1479.5	3305.8 3414.0 3523.3 3633.8 3745.5 3858.4 3972.3 4087.5 4203.7 4321.1	14.2 18.0 11.2 19.7 12.1 19.7 6.8 18.0 17.7
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.7 655.6 665.5 675.4 685.3	4.959 4.883 4.903 4.914 4.845 4.756 4.687 4.687 4.540 4.525	4.911 4.835 4.854 4.864 4.794 4.705 4.636 4.555 4.487 4.472	34.147 34.149 34.173 34.191 34.199 34.200 34.200 34.202 34.208 34.216	27.010 27.019 27.036 27.050 27.064 27.074 27.082 27.093 27.104 27.113	29.770 29.827 29.889 29.948 30.009 30.121 30.179 30.237 30.292	27.004 27.014 27.030 27.044 27.058 27.069 27.076 27.087 27.098 27.107	110.8 109.8 108.4 107.2 105.9 104.9 104.2 103.2 102.1 101.3	12.006 12.116 12.225 12.333 12.440 12.545 12.649 12.753 12.856 12.957	90.7 90.7 90.7 90.6 90.7 90.7 90.7 90.7 90.7	1479.5 1479.4 1479.6 1479.9 1479.8 1479.6 1479.4 1479.3 1479.2	4439.5 4559.1 4679.7 4801.4 4924.2 5048.0 5172.8 5298.6 5425.5 5553.4	9.5 8.6 14.2 13.3 16.8 5.7 16.8 17.9
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0	695.3 705.2 715.1 725.0 734.9 754.7 764.6 774.5 784.4	4.526 4.508 4.479 4.470 4.371 4.351 4.314 4.289 4.275 4.255	4.472 4.453 4.424 4.384 4.314 4.293 4.256 4.230 4.216 4.195	34.234 34.248 34.259 34.268 34.273 34.290 34.302 34.314 34.321 34.329	27.127 27.140 27.152 27.164 27.175 27.191 27.204 27.216 27.224 27.232	30.351 30.411 30.468 30.527 30.585 30.647 30.706 30.765 30.818 30.873	27.121 27.134 27.146 27.158 27.169 27.185 27.198 27.210 27.217 27.226	100.1 98.9 97.9 96.8 95.8 94.3 93.1 92.0 91.4 90.7	13.058 13.158 13.256 13.353 13.450 13.545 13.638 13.731 13.823 13.914	90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7	1479.5 1479.6 1479.6 1479.7 1479.5 1479.7 1479.7 1479.7	5682.3 5812.1 5942.9 6074.7 6207.5 6341.1 6475.7 6611.3 6747.7 6885.0	13.3 10.3 10.3 18.8 9.5 12.1 17.4 7.1 10.9 6.3
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 853.7 863.6 873.5 883.4	4.210 4.191 4.154 4.131 4.100 4.082 4.061 4.033 4.001 3.987	4.149 4.130 4.092 4.069 4.037 4.018 3.997 3.968 3.935 3.920	34.338 34.343 34.353 34.361 34.367 34.379 34.379 34.386 34.391 34.398	27.244 27.250 27.262 27.270 27.279 27.285 27.292 27.301 27.309 27.316	30.931 30.983 31.042 31.096 31.150 31.203 31.257 31.311 31.365 31.418	27.238 27.244 27.256 27.264 27.272 27.279 27.286 27.294 27.302 27.309	89.6 89.1 88.0 87.3 86.5 86.0 85.3 84.6 83.9	14.004 14.093 14.182 14.269 14.356 14.442 14.528 14.613 14.697 14.781	90.7 90.6 90.7 90.6 90.6 90.6 90.7 90.6	1479.9 1480.0 1480.1 1480.1 1480.2 1480.3 1480.4 1480.4 1480.6	7023.2 7162.3 7302.3 7443.1 7584.8 7727.3 7870.7 8014.9 8159.9 8305.8	5.4 8.0 9.2 13.0 6.3 6.9 11.0 9.5 8.1
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.8 942.7 952.6 962.5 972.4 982.3	3.971 3.925 3.899 3.879 3.848 3.809 3.787 3.757 3.753 3.734	3.904 3.857 3.831 3.8778 3.778 3.739 3.717 3.686 3.661	34.408 34.414 34.420 34.424 34.426 34.430 34.434 34.442 34.447	27.325 27.331 27.337 27.344 27.350 27.356 27.361 27.368 27.376 27.381	31.474 31.527 31.579 31.631 31.684 31.737 31.788 31.841 31.895 31.946	27.318 27.324 27.330 27.337 27.343 27.349 27.354 27.361 27.369 27.374	82.5 81.9 81.4 80.8 80.2 79.6 79.2 78.6 77.9 77.5	14.864 14.946 15.027 15.108 15.189 15.269 15.348 15.427 15.505 15.583	90.6 90.6 90.6 90.6 90.7 90.7 90.7 90.6	1480.7 1480.6 1480.7 1480.8 1480.8 1480.8 1480.9 1481.0 1481.1	8452.5 8599.9 8748.2 8897.3 9047.2 9197.9 9349.3 9501.5 9654.5 9808.2	9.5 4.8 7.5 .8 7.2 2.2 8.4 10.7 11.6

Station	46	Latitude	32° 33.	21 ' N	Longit	ide 127°	22.23'W	27	Aug 1989	GMT 08	3:13	Bottom	
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0 1180.0	992.2 1012.0 1031.8 1051.5 1071.3 1091.1 1110.8 1130.6 1150.4 1170.1	3.710 3.636 3.559 3.559 3.510 3.486 3.438 3.391 3.353 3.314	3.637 3.562 3.517 3.481 3.431 3.406 3.357 3.309 3.270 3.229	34.453 34.460 34.467 34.480 34.488 34.498 34.503 34.507 34.512	27.388 27.401 27.411 27.420 27.429 27.438 27.451 27.460 27.467 27.474	31.999 32.105 32.207 32.308 32.410 32.511 32.616 32.717 32.816 32.916	27.381 27.394 27.404 27.412 27.421 27.430 27.443 27.452 27.459 27.466	76.9 75.6 74.8 74.0 73.2 72.5 71.3 70.5 69.9 69.3	15.660 15.813 15.963 16.112 16.259 16.405 16.549 16.690 16.831 16.969	90.6 90.6 90.6 90.6 90.6 90.6 90.6	1481.3 1481.3 1481.7 1481.8 1482.0 1482.2 1482.3 1482.3 1482.5	9962.8 10274.0 10588.2 10905.4 11225.4 11548.3 11874.1 12202.6 12533.9 12867.9	8.1 6.6 4.9 8.7 5.8 7.0 4.9 2.9 2.9
1200.0 1220.0 1240.0 1260.0 1280.0 1300.0 1320.0 1340.0 1360.0	1189.9 1209.7 1229.4 1249.2 1268.9 1288.7 1308.4 1328.2 1347.9 1367.7	3.276 3.228 3.197 3.155 3.127 3.089 3.067 3.029 3.029	3.190 3.140 3.109 3.066 3.036 2.996 2.973 2.934 2.904 2.860	34.517 34.524 34.527 34.531 34.535 34.537 34.540 34.544 34.546 34.548	27.482 27.492 27.498 27.504 27.516 27.521 27.521 27.527 27.531 27.537	33.017 33.119 33.216 33.315 33.413 33.511 33.607 33.706 33.802 33.900	27.474 27.484 27.489 27.502 27.507 27.512 27.518 27.523 27.528	68.5 67.2 66.1 65.2 64.3 63.7	17.107 17.243 17.378 17.512 17.645 17.776 17.907 18.037 18.037 18.166 18.294	90.6 90.6 90.6 90.5 90.5 90.6 90.6	1482.8 1483.0 1483.2 1483.3 1483.5 1483.7 1484.0 1484.1 1484.3 1484.5	13204.6 13543.9 13885.9 14230.6 14577.8 14927.6 15280.0 15634.9 15992.3 16352.2	.3 2.9 3.8 7.1 4.7 4.2 4.2 3.6
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.4 1407.2 1426.9 1446.6 1466.3 1486.3 1505.8 1505.8 1525.5 1545.3	2.928 2.897 2.857 2.823 2.759 2.757 2.729 2.665 2.634	2.829 2.797 2.756 2.721 2.685 2.651 2.622 2.591 2.556 2.524	34.550 34.555 34.558 34.562 34.563 34.566 34.568 34.571 34.573	27.542 27.548 27.555 27.560 27.565 27.570 27.574 27.579 27.584 27.589	33.997 34.096 34.194 34.292 34.388 34.485 34.582 34.582 34.775 34.872	27.533 27.540 27.546 27.551 27.556 27.560 27.565 27.570 27.574 27.580	63.3 62.1 61.6 61.2 60.8 60.0 59.5	18.421 18.547 18.672 18.796 18.919 19.041 19.162 19.282 19.282 19.520	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1484.7 1484.9 1485.1 1485.3 1485.5 1485.6 1485.9 1486.3 1486.3	16714.6 17079.5 17446.8 17816.5 18188.6 18563.1 18940.0 19319.2 19700.8 20084.6	1.9 1.3 2.5 4.5 1.9 1.3 4.4 2.0
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.7 1604.4 1624.2 1643.9 1663.6 1683.3 1703.0 1722.7 1742.4 1762.1	2.603 2.573 2.543 2.515 2.482 2.449 2.420 2.393 2.367 2.349	2.491 2.460 2.429 2.400 2.365 2.331 2.301 2.273 2.245 2.225	34.578 34.581 34.584 34.587 34.588 34.591 34.594 34.596 34.598	27.593 27.598 27.604 27.608 27.612 27.617 27.622 27.630 27.633	34.968 35.065 35.162 35.259 35.354 35.452 35.548 35.643 35.739 35.833	27.584 27.588 27.594 27.599 27.602 27.612 27.616 27.620 27.622	58.6 58.2 57.2 56.9 56.3 55.6 55.6	19.638 19.755 19.871 19.986 20.100 20.213 20.325 20.437 20.548 20.657	90.6 90.5 90.5 90.6 90.5 90.5 90.6 90.6	1486.7 1486.9 1487.1 1487.3 1487.5 1487.7 1487.9 1488.1 1488.3 1488.6	20470.8 20859.2 21249.9 21642.8 22037.9 22435.2 22834.7 23236.4 23640.3 24046.2	1.7 4.1 1.1 3.8 2.3 .6 3.8 2.7
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.8 1801.5 1821.2 1840.9 1860.6 1880.3 1900.0 1919.7 1939.4 1959.1	2.323 2.293 2.270 2.247 2.221 2.200 2.175 2.141 2.122 2.105	2.199 2.167 2.143 2.118 2.091 2.069 2.043 2.007 1.987 1.969	34.602 34.604 34.606 34.608 34.611 34.614 34.617 34.618 34.621 34.623	27.637 27.642 27.645 27.653 27.657 27.662 27.665 27.669 27.672	35.929 36.025 36.120 36.215 36.311 36.503 36.598 36.694 36.787	27.626 27.631 27.634 27.638 27.642 27.646 27.651 27.655 27.659 27.661	54.6 54.1 53.8 53.4 53.1 52.2 51.8 51.4 51.2	20.767 20.876 20.984 21.091 21.197 21.303 21.408 21.512 21.615 21.718	90.6 90.4 90.6 90.5 90.5 90.6 90.5	1488.8 1489.0 1489.3 1489.5 1489.7 1490.0 1490.2 1490.4 1490.7 1490.9	24454.3 24864.5 25276.8 25691.2 26107.6 26526.1 26946.6 27369.2 27793.7 28220.2	2.1 3.6 1.2 2.1 3.9 2.2 1.0 3.4 2.8 2.5
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2300.0 2350.0 2450.0	1978.8 2028.0 2077.1 2126.3 2175.5 2224.6 2273.8 2322.9 2372.1 2421.2	2.091 2.054 2.018 1.976 1.948 1.913 1.883 1.859 1.829	1.953 1.912 1.873 1.827 1.757 1.757 1.723 1.664 1.661	34.625 34.633 34.636 34.638 34.641 34.646 34.648 34.650 34.653	27.674 27.681 27.688 27.694 27.698 27.703 27.710 27.713 27.718 27.722	36.881 37.114 37.347 37.580 37.811 38.042 38.275 38.504 38.734 38.963	27.664 27.670 27.676 27.682 27.686 27.691 27.697 27.701 27.705 27.709	51.0 50.4 49.9 49.4 49.0 48.6 48.6 47.8 47.4	21.820 22.073 22.324 22.572 22.818 23.062 23.303 23.543 23.781 24.017	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1491.2 1491.9 1492.6 1493.2 1493.9 1494.6 1495.4 1496.1 1496.8 1497.5	28648.7 29728.5 30820.5 31924.5 33040.4 34168.0 35307.3 36458.1 37620.4 38794.1	3.7 1.1 .6 .0 2.7 2.5 1.3 2.0 3.2
2500.0 2550.0 2650.0 2750.0 2750.0 2850.0 2900.0 2950.0	2470.3 2519.3 2568.4 2617.5 2666.5 2715.6 2764.6 2813.6 2862.6 2911.6	1.782 1.760 1.740 1.716 1.696 1.674 1.665 1.645 1.628	1.606 1.579 1.555 1.527 1.503 1.477 1.458 1.439 1.417	34.654 34.657 34.658 34.661 34.662 34.665 34.666 34.668 34.669 34.671	27.725 27.729 27.732 27.736 27.739 27.743 27.745 27.748 27.751 27.753	39.190 39.419 39.646 39.875 40.101 40.329 40.554 40.780 41.006 41.230	27.711 27.715 27.718 27.722 27.725 27.728 27.730 27.733 27.735 27.737	46.6 46.4 46.8 45.5 45.4 45.2 45.2	24.252 24.486 24.718 24.949 25.178 25.407 25.634 25.861 26.086 26.311	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1498.3 1499.0 1499.8 1500.5 1501.3 1502.8 1503.6 1504.4 1505.2	39979.1 41175.4 42382.7 43601.2 44830.6 46071.0 47322.3 48584.5 4857.4 51141.1	.3 5 1.7 3 2
3000.0 3050.0 3100.0 3150.0 3200.0 3250.0 3300.0 3400.0 3450.0	2960.6 3009.6 3058.6 3107.5 3156.4 3205.4 3254.3 3303.2 3352.1 3401.0	1.599 1.586 1.577 1.566 1.554 1.545 1.536 1.527 1.520 1.514	1.380 1.363 1.349 1.332 1.316 1.302 1.288 1.275 1.264 1.252	34.672 34.674 34.675 34.676 34.678 34.679 34.680 34.682 34.682	27.755 27.758 27.760 27.762 27.765 27.767 27.769 27.771 27.772 27.774	41.455 41.680 41.903 42.126 42.350 42.795 43.018 43.239 43.460	27.740 27.742 27.744 27.745 27.747 27.750 27.751 27.753 27.754 27.755	44.8 44.5 44.5 44.3 44.2 44.1 44.0 44.0	26.535 26.758 26.981 27.204 27.426 27.647 27.868 28.089 28.309 28.309	90.4 90.5 90.4 90.5 90.4 90.4 90.4 90.5	1506.0 1506.8 1507.6 1508.4 1509.2 1510.0 1510.8 1511.6 1512.5 1513.3	52435.4 53740.5 55056.1 56382.4 57719.2 59066.6 60424.5 61792.9 63171.8 64561.1	.4 .5 .3 .0 2.1 7 .8 1
3500.0 3550.0 3600.0 3650.0 3700.0 3850.0 3850.0 3950.0	3449.9 3498.7 3547.6 3596.4 3645.3 3694.1 3742.9 3791.7 3840.5 3889.3	1.509 1.505 1.502 1.501 1.497 1.498 1.497 1.500	1.242 1.234 1.225 1.219 1.210 1.206 1.200 1.195 1.191 1.188	34.685 34.685 34.686 34.687 34.688 34.688 34.689 34.690 34.690	27.775 27.777 27.778 27.779 27.780 27.781 27.782 27.783 27.783 27.784	43.681 43.901 44.121 44.340 44.560 44.778 44.997 45.215 45.432 45.649	27.756 27.757 27.758 27.758 27.760 27.760 27.761 27.761 27.761 27.761	44.0 44.0 44.1 44.1 44.2 44.3 44.4 44.5	28.749 28.969 29.189 29.409 29.630 29.851 30.072 30.294 30.516 30.739	90.4 90.4 90.5 90.4 90.4 90.4 90.4 90.4	1514.1 1515.0 1515.8 1516.7 1517.5 1518.4 1519.2 1520.1 1521.0 1521.8	65960.9 67371.0 68791.7 70222.8 71664.3 73116.3 74578.7 76051.7 77535.1 79029.1	9 2 1 1.7 3 -1.5
4000.0 4050.0 4100.0 4150.0 4200.0 4250.0 4300.0 4302.0	3938.1 3986.8 4035.6 4084.3 4133.0 4181.7 4230.4 4232.4	1.504 1.507 1.510 1.514 1.519 1.523 1.528 1.528	1.184 1.182 1.180 1.178 1.177 1.176 1.174	34.691 34.692 34.692 34.692 34.691 34.692 34.692 34.692	27.784 27.785 27.785 27.786 27.785 27.786 27.786 27.786	45.866 46.082 46.298 46.514 46.728 46.944 47.159 47.167	27.762 27.762 27.762 27.762 27.761 27.761 27.761 27.761	44.8 45.0 45.1 45.3 45.6 45.7 45.9	30.963 31.187 31.413 31.639 31.866 32.094 32.323 32.332	90.3 90.4 90.3 90.3 90.4 90.4 90.3	1522.7 1523.6 1524.4 1525.3 1526.2 1527.1 1528.0 1528.0	80533.7 82048.9 83574.7 85111.1 86658.3 88216.2 89784.9 89847.9	-1.9 .0 2 2 2

Station	47	Latitude	32° 21.	.12'N	Longit	ude 127°	29.94'W	27	Aug 1989	GMT 1	1:49	Bottom	4100 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-6 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht g J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	.0 10.0 19.9 29.9 39.9 49.8 59.8 79.7 89.7	19.091 19.098 19.099 19.100 19.167 17.592 16.509 16.863 16.788	19.091 19.096 19.095 19.095 19.103 19.158 17.582 16.498 16.850 16.773	33.444 33.444 33.444 33.529 33.738 33.638 33.694 33.939 34.009	23.810 23.809 23.809 23.810 23.872 24.014 24.332 24.630 24.736 24.808	23.810 23.853 23.896 23.940 24.046 24.231 24.594 24.598 25.201	23.810 23.809 23.808 23.808 23.870 24.012 24.329 24.733 24.804	408.1 408.6 408.9 409.3 403.7 390.6 360.5 3322.6 316.1	.000 .408 .817 1.226 1.635 2.029 2.411 2.756 3.083 3.403	90.2 90.1 90.0 90.0 90.1 90.0 90.0 90.0 90.1	1517.8 1518.0 1518.1 1518.6 1519.1 1514.6 1511.6 1513.2	.0 2.0 8.1 18.3 32.6 50.9 73.0 98.8 127.9 160.2	.0 -2.8 8 1.0 331.3 15.8 583.3 98.0 82.5 105.7
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	16.680 16.573 15.527 14.902 14.474 13.727 12.062 11.510 11.065 10.519	16.664 16.555 15.509 14.883 14.454 13.706 12.041 11.489 11.043 10.496	34.071 34.091 33.894 33.924 33.946 33.627 33.604 33.678 33.653	24.881 24.922 25.008 25.169 25.278 25.375 25.375 25.4600 25.739 25.816	25.319 25.404 25.536 25.742 25.896 26.040 26.229 26.361 26.546 26.670	24.877 24.918 25.004 25.165 25.273 25.371 25.511 25.597 25.735 25.812	309.4 305.8 297.8 282.7 272.5 263.3 249.8 221.8	3.715 4.022 4.323 4.613 4.890 5.159 5.416 5.661 5.898 6.122	90.3 90.2 90.5 90.7 90.7 90.8 90.9 91.0	1513.1 1513.0 1509.6 1507.9 1506.7 1504.3 1498.6 1496.8 1495.5 1493.6	195.6 234.1 275.7 320.1 367.4 417.4 470.1 525.2 582.7 642.4	56.5 107.4 127.1 109.5 116.4 70.3 101.3 11.0 90.6 93.7
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 248.9 258.8 268.7 278.6 288.6	9.963 9.656 9.421 9.300 9.019 8.928 8.847 8.679 8.478	9.940 9.633 9.397 9.275 8.993 8.901 8.819 8.651 8.449 8.190	33.720 33.780 33.830 33.848 33.907 33.920 33.934 33.956 33.971 33.989	25.963 26.061 26.139 26.172 26.264 26.288 26.313 26.355 26.399 26.452	26.864 27.008 27.132 27.211 27.349 27.420 27.489 27.579 27.668 27.768	25.959 26.057 26.135 26.168 26.259 26.284 26.308 26.351 26.394 26.448	207.5 198.3 191.0 188.0 179.4 177.2 175.1 171.1 167.1 162.1	6.334 6.537 6.735 6.923 7.110 7.288 7.465 7.637 7.805 7.970	90.9 91.0 91.0 91.0 91.0 91.0 91.0	1491.9 1491.0 1490.3 1490.1 1489.3 1489.1 1488.5 1488.5 1488.0 1487.2	704.4 768.3 834.3 902.2 971.9 1043.5 1116.7 1191.8 1268.5 1346.8	7.8 7.2 199.6 13.0 172.0 28.5 99.6 53.0 64.4 48.3
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.2 348.2 358.1 368.0 378.0 387.9	8.054 7.873 7.681 7.469 7.306 7.155 6.961 6.790 6.671 6.537	8.023 7.842 7.649 7.437 7.273 7.122 6.927 6.756 6.636 6.502	33.991 33.996 33.992 33.998 33.998 33.998 33.999 34.000 34.002	26.478 26.508 26.534 26.564 26.592 26.613 26.663 26.663 26.700	27.841 27.917 27.990 28.067 28.141 28.209 28.283 28.354 28.417 28.483	26.474 26.504 26.529 26.560 26.587 26.608 26.635 26.659 26.676 26.695	159.7 156.9 154.5 151.7 149.1 147.2 144.6 142.4 140.9 139.0	8.130 8.289 8.444 8.597 8.748 8.896 9.042 9.186 9.327 9.467	90.9 90.8 90.9 90.9 90.9 90.8 91.0 90.8 90.8	1486.7 1486.2 1485.6 1484.9 1484.5 1484.0 1483.4 1482.9 1482.6 1482.3	1426.8 1508.3 1591.4 1676.0 1762.1 1849.7 1938.8 2029.2 2121.1 2214.4	22.2 50.8 7.2 33.5 28.5 20.0 11.7 11.4 11.4 32.5
400.0 410.0 420.0 430.0 440.0 450.0 470.0 480.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.3 477.2 487.1	6.459 6.337 6.251 6.119 6.030 5.920 5.808 5.697 5.588 5.486	6.423 6.300 6.214 6.082 5.992 5.881 5.769 5.548 5.446	34.007 34.012 34.014 34.016 34.022 34.027 34.033 34.045 34.055 34.057	26.714 26.733 26.747 26.765 26.781 26.799 26.818 26.840 26.861 26.875	28.544 28.610 28.670 28.735 28.798 28.862 28.998 29.065 29.127	26.709 26.729 26.742 26.760 26.777 26.794 26.813 26.836 26.856 26.871	137.8 136.0 134.8 133.1 131.6 130.0 128.2 126.0 124.1 122.7	9.606 9.742 9.878 10.011 10.144 10.274 10.403 10.531 10.656 10.779	90.8 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7	1482.1 1481.8 1481.6 1481.3 1481.1 1480.8 1480.5 1480.3 1480.0 1479.7	2309.0 2405.1 2502.4 2601.1 2701.1 2802.4 2905.0 3008.8 3113.9 3220.2	13.7 21.0 24.2 16.0 11.6 19.5 19.2 18.0 13.0
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0	497.0 506.9 516.8 526.8 536.7 546.6 556.5 566.4 576.3 586.3	5.323 5.282 5.203 5.135 5.084 5.010 4.948 4.891 4.813 4.759	5.282 5.241 5.161 5.093 5.040 4.967 4.903 4.846 4.767 4.713	34.068 34.085 34.099 34.105 34.117 34.125 34.133 34.141 34.157 34.166	26.904 26.922 26.943 26.955 26.970 26.985 26.999 27.012 27.034 27.047	29.203 29.267 29.334 29.393 29.516 29.516 29.536 29.636 29.705 29.764	26.899 26.917 26.938 26.950 26.965 26.980 26.994 27.007 27.028 27.042	120.0 118.3 116.4 115.3 113.9 112.5 111.3 110.1 108.1 106.9	10.900 11.020 11.137 11.253 11.368 11.481 11.593 11.704 11.813 11.920	90.7 90.6 90.7 90.6 90.7 90.7 90.7 90.7	1479.3 1479.3 1479.0 1479.0 1478.9 1478.8 1478.6 1478.5	3327.7 3436.4 3546.3 3657.3 3769.5 3882.8 3997.2 4112.6 4229.2 4346.9	14.7 22.9 20.3 19.7 18.8 24.1 10.9 15.0
600.0 610.0 620.0 630.0 650.0 650.0 670.0 680.0 690.0	596.2 606.1 616.0 625.9 635.8 645.7 655.6 675.5 685.4	4.722 4.683 4.623 4.574 4.543 4.515 4.495 4.473 4.465 4.439	4.675 4.635 4.576 4.526 4.493 4.465 4.445 4.422 4.413 4.386	34.175 34.186 34.191 34.200 34.207 34.218 34.225 34.237 34.246 34.257	27.058 27.071 27.082 27.094 27.103 27.115 27.123 27.123 27.143 27.155	29.822 29.881 29.939 29.998 30.053 30.111 30.165 30.223 30.227 30.335	27.053 27.065 27.076 27.089 27.097 27.110 27.117 27.129 27.138 27.149	105.8 104.7 103.7 102.6 101.8 100.7 100.1 99.0 98.3 97.2	12.027 12.132 12.236 12.339 12.442 12.543 12.643 12.643 12.743 12.841 12.939	90.6 90.7 90.6 90.6 90.7 90.7 90.7	1478.6 1478.6 1478.5 1478.5 1478.5 1478.6 1478.7 1478.8 1478.9	4465.5 4585.3 4706.0 4827.8 450.6 5074.4 5199.2 5324.9 5451.7	21.1 10.3 10.6 11.2 5.9 15.6 15.6 1.5 9.4
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 754.6 774.5 784.4	4.402 4.377 4.360 4.326 4.301 4.280 4.249 4.228 4.208 4.174	4.348 4.323 4.306 4.271 4.245 4.1223 4.192 4.170 4.149 4.115	34.269 34.276 34.283 34.293 34.299 34.307 34.317 34.317 34.324 34.332	27.168 27.177 27.184 27.195 27.203 27.212 27.223 27.223 27.231 27.239 27.250	30.394 30.449 30.502 30.560 30.615 30.669 30.726 30.780 30.834 30.892	27.162 27.171 27.178 27.189 27.198 27.206 27.217 27.225 27.233 27.244	96.1 95.3 94.7 93.7 93.0 92.2 91.2 90.6 89.9 88.8	13.035 13.131 13.226 13.321 13.414 13.507 13.599 13.689 13.780 13.869	90.7 90.7 90.7 90.6 90.6 90.7 90.6 90.7	1479.0 1479.1 1479.2 1479.2 1479.3 1479.4 1479.4 1479.5 1479.6	5708.1 5837.7 5968.2 6099.7 6232.1 6365.4 6499.6 6634.7 6770.7	12.7 8.0 11.5 7.4 6.8 15.6 6.5 3.9 8.6 13.9
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 890.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.155 4.129 4.108 4.084 4.061 4.004 3.989 3.970 3.952 3.906	4.095 4.069 4.047 4.022 3.998 3.940 3.925 3.986 3.886 3.840	34.347 34.354 34.361 34.367 34.373 34.376 34.376 34.386 34.392 34.399	27.257 27.265 27.273 27.280 27.287 27.293 27.298 27.307 27.314 27.325	30.945 31.000 31.053 31.106 31.160 31.212 31.263 31.319 31.372 31.429	27.251 27.259 27.267 27.273 27.281 27.286 27.291 27.301 27.308 27.318	88.3 86.3 86.3 85.1 85.1 83.2 82.3	13.958 14.045 14.133 14.219 14.305 14.391 14.475 14.560 14.643 14.726	90.6 90.7 90.7 90.6 90.6 90.6 90.6 90.6	1479.7 1479.8 1479.9 1479.9 1480.0 1479.9 1480.0 1480.1 1480.2 1480.2	7045.4 7184.0 7323.5 7463.8 7605.0 7747.0 7889.9 8033.6 8178.1 8323.4	10.1 1.0 12.4 10.7 6.9 1.9 8.6 10.7 13.9 19.2
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.5 972.4 982.3	3.889 3.877 3.853 3.817 3.802 3.770 3.756 3.740 3.711 3.679	3.822 3.810 3.786 3.748 3.733 3.700 3.685 3.668 3.669 3.669	34.403 34.409 34.416 34.424 34.424 34.430 34.431 34.436 34.441	27.329 27.335 27.343 27.351 27.355 27.363 27.366 27.372 27.378 27.387	31.480 31.532 31.586 31.640 31.690 31.744 31.793 31.845 31.898 31.953	27.323 27.329 27.336 27.344 27.348 27.356 27.359 27.365 27.371 27.379	81.9 81.4 80.7 80.0 79.7 78.9 78.2 77.6 76.8	14.808 14.890 14.971 15.051 15.131 15.210 15.289 15.368 15.445 15.523	90.6 90.7 90.6 90.6 90.6 90.6 90.6 90.6	1480.3 1480.4 1480.5 1480.5 1480.6 1480.7 1480.8 1480.9 1480.9	8469.6 8616.5 8764.2 8912.8 9062.1 9212.1 9363.0 9514.6 9667.0 9820.2	8.3 7.8 8.4 6.6 7.8 9.8 4.6 5.2 7.8

Station	47	Latitude	32° 21.	12'N	Longit	ude 127°	29.94'W	27	Aug 1989	GMT 1	1:49	Bottom	4100 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0 1120.0 1140.0 1160.0	992.2 1012.0 1031.8 1051.5 1071.3 1091.1 1110.9 1130.6 1150.4 1170.2	3.661 3.619 3.582 3.537 3.487 3.470 3.404 3.356 3.321 3.290	3.588 3.545 3.506 3.460 3.409 3.390 3.323 3.274 3.238 3.206	34.451 34.459 34.468 34.475 34.486 34.496 34.502 34.507 34.512	27.391 27.402 27.412 27.423 27.434 27.438 27.453 27.462 27.469 27.476	32.003 32.106 32.209 32.312 32.415 32.512 32.619 32.720 32.820 32.919	27.384 27.395 27.405 27.416 27.426 27.431 27.445 27.445 27.461 27.461	76.5 75.5 74.6 73.7 72.7 72.4 71.0 70.2 69.6 69.0	15.599 15.751 15.901 16.049 16.196 16.341 16.484 16.625 16.765 16.904	90.6 90.6 90.6 90.6 90.5 90.5 90.6 90.6	1481.1 1481.2 1481.4 1481.6 1481.0 1482.0 1482.2 1482.3 1482.3	9974.1 10284.2 10597.2 10913.1 11231.9 11553.6 11878.0 12205.3 12535.3 12868.0	8.1 4.9 6.7 2.3 5.8 4.3 1.1 7.0
1200.0 1220.0 1240.0 1260.0 1280.0 1300.0 1320.0 1340.0 1360.0	1189.9 1209.7 1229.4 1249.2 1268.9 1288.7 1308.4 1328.2 1347.9 1367.7	3.252 3.225 3.191 3.154 3.127 3.104 3.062 3.040 3.040 3.003 2.972	3.166 3.138 3.102 3.065 3.036 3.011 2.968 2.945 2.996	34.516 34.521 34.525 34.530 34.533 34.537 34.541 34.545 34.549 34.550	27.484 27.490 27.497 27.509 27.514 27.522 27.527 27.533 27.537	33.018 33.117 33.215 33.315 33.412 33.509 33.609 33.706 33.804 33.900	27.476 27.482 27.488 27.501 27.506 27.513 27.518 27.524 27.529	68.4 67.8 67.3 66.6 65.2 65.1 64.7 64.7	17.041 17.178 17.313 17.447 17.579 17.711 17.842 17.972 18.101 18.229	90.6 90.6 90.6 90.6 90.6 90.6 90.6	1482.7 1483.0 1483.1 1483.3 1483.5 1483.9 1484.2 1484.4 1484.6	13203.4 13541.5 13882.2 14225.5 14571.5 14920.0 15271.1 15624.7 15980.9 16339.5	2.6 1.5 7.9 3.8 1.6 3.6 3.6
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.4 1407.2 1426.9 1446.6 1466.4 1486.1 1505.8 1525.6 1545.3 1565.0	2.940 2.903 2.864 2.827 2.805 2.763 2.727 2.708 2.668 2.668	2.841 2.803 2.763 2.724 2.701 2.657 2.6621 2.600 2.559 2.518	34.553 34.556 34.561 34.564 34.567 34.568 34.571 34.572 34.574 34.576	27.543 27.549 27.556 27.562 27.566 27.571 27.576 27.579 27.584 27.590	33.997 34.095 34.195 34.293 34.389 34.486 34.583 34.678 34.775 34.873	27.534 27.539 27.547 27.553 27.557 27.562 27.567 27.570 27.575 27.580	63.3 62.8 62.0 61.5 61.2 60.7 60.0 59.5 58.9	18.356 18.482 18.607 18.730 18.853 18.975 19.096 19.216 19.336 19.454	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1484.8 1484.9 1485.1 1485.3 1485.5 1485.7 1485.9 1486.1 1486.3 1486.4	16700.6 17064.2 17430.2 17798.7 18169.5 18542.7 18918.3 19296.2 19676.5 20059.0	3.6 3.8 1.6 4.6 5.8 6.1
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.7 1604.4 1624.2 1643.9 1663.6 1683.3 1703.0 1722.7 1742.4 1762.2	2.595 2.573 2.538 2.5510 2.478 2.452 2.427 2.389 2.378 2.352	2.483 2.460 2.424 2.395 2.362 2.334 2.308 2.269 2.256 2.229	34.579 34.584 34.587 34.588 34.590 34.591 34.593 34.597 34.599 34.601	27.595 27.601 27.606 27.609 27.614 27.617 27.620 27.627 27.630 27.634	34.970 35.068 35.165 35.260 35.356 35.451 35.546 35.645 35.739 35.834	27.585 27.591 27.596 27.600 27.604 27.607 27.611 27.617 27.620 27.624	58.4 57.9 57.4 57.1 56.7 56.4 55.4 55.2 54.9	19.571 19.688 19.803 19.917 20.031 20.144 20.257 20.368 20.479 20.589	90.5 90.5 90.5 90.5 90.5 90.5 90.5	1486.6 1486.9 1487.1 1487.3 1487.5 1487.7 1487.9 1488.1 1488.4 1488.6	20443.8 20830.9 21220.3 21611.9 22005.7 22401.6 22799.8 23200.2 23602.6 24007.3	2.0 2.9 1.7 4.9 4.1 3.8 .0 1.2 3.5 2.1
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1920.0 1940.0 1960.0	1781.8 1801.6 1821.3 1840.9 1860.7 1880.3 1900.0 1919.7 1939.4 1959.1	2.336 2.317 2.286 2.253 2.229 2.195 2.171 2.154 2.140	2.211 2.191 2.158 2.125 2.099 2.064 2.039 2.020 2.005 1.977	34.603 34.605 34.608 34.611 34.613 34.616 34.618 34.619 34.621 34.624	27.637 27.640 27.650 27.654 27.659 27.663 27.665 27.668 27.668	35.928 36.022 36.119 36.216 36.311 36.409 36.504 36.597 36.691 36.787	27.626 27.629 27.634 27.639 27.648 27.652 27.652 27.657 27.657	54.6 54.4 53.9 53.3 53.0 52.5 52.1 51.9 51.7 51.2	20.699 20.808 20.916 21.023 21.129 21.235 21.339 21.443 21.547 21.650	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1488.9 1489.1 1489.3 1489.5 1489.8 1490.0 1490.2 1490.5 1490.7 1491.0	24414.0 24822.9 25233.9 25646.9 26062.0 26479.2 26898.4 27319.6 27742.8 28168.0	3.9 3.0 3.0 2.1 1.0 3.9 2 3.7 3.4
2000.0 2050.0 2150.0 2150.0 2250.0 2350.0 2350.0 2400.0 2450.0	1978.8 2028.0 2077.2 2126.4 2175.5 2224.7 2273.8 2323.0 2372.1 2421.2	2.106 2.052 2.019 1.970 1.934 1.903 1.874 1.849 1.819 1.802	1.968 1.910 1.873 1.821 1.781 1.746 1.713 1.685 1.651 1.630	34.625 34.639 34.636 34.639 34.642 34.646 34.648 34.651 34.653	27.674 27.681 27.687 27.694 27.700 27.705 27.710 27.714 27.719 27.722	36.879 37.114 37.347 37.581 37.813 38.044 38.276 38.505 38.736 38.963	27.663 27.670 27.676 27.682 27.688 27.693 27.698 27.702 27.706 27.709	51.2 50.4 49.9 49.3 48.4 47.9 47.6 47.2	21.752 22.006 22.257 22.505 22.751 22.993 23.234 23.473 23.710 23.946	90.5 90.5 90.5 90.5 90.5 90.5 90.6 90.4	1491.3 1491.9 1492.6 1493.2 1493.9 1494.6 1495.3 1496.0 1496.8 1497.5	28595.1 29671.6 30760.3 31861.0 32973.6 34097.9 35233.9 36381.3 37540.2 38710.4	2.5 .9 2.4 .9 2.1 -1.3 1.9
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2950.0	2470.3 2519.4 2568.4 2617.5 2666.6 2715.6 2764.6 2813.7 2862.7 2911.7	1.774 1.753 1.734 1.715 1.693 1.673 1.655 1.640 1.630	1.598 1.572 1.549 1.526 1.500 1.476 1.454 1.434 1.419	34.655 34.657 34.661 34.663 34.665 34.666 34.668 34.669 34.671	27.726 27.729 27.733 27.736 27.740 27.743 27.745 27.748 27.751 27.753	39.192 39.420 39.648 39.875 40.102 40.329 40.554 40.780 41.005 41.230	27.713 27.716 27.719 27.722 27.725 27.728 27.730 27.733 27.735 27.737	46.7 46.4 46.2 46.0 45.5 45.5 45.2 45.2 45.0	24.180 24.413 24.645 24.875 25.105 25.333 25.560 25.786 26.011 26.236	90.5 90.4 90.5 90.4 90.4 90.4 90.5 90.5	1498.3 1499.0 1499.8 1500.5 1501.3 1502.1 1502.8 1503.6 1504.4 1505.2	39891.9 41084.6 42288.4 43503.3 44729.1 45965.9 47213.6 48472.1 49741.4 51021.4	1.8 1.2 .7 1.3 .5 .8 3 .9 1.5
3000.0 3050.0 3100.0 3150.0 3250.0 3250.0 3300.0 3350.0 3450.0	2960.7 3009.6 3058.6 3107.6 3156.5 3205.4 3254.4 3303.3 3352.2 3401.1	1.606 1.594 1.581 1.571 1.556 1.549 1.539 1.533 1.520	1.387 1.370 1.353 1.338 1.318 1.306 1.291 1.281 1.264 1.253	34.672 34.673 34.674 34.675 34.677 34.678 34.679 34.681 34.683	27.755 27.757 27.760 27.761 27.764 27.766 27.768 27.770 27.772	41.454 41.678 41.902 42.125 42.349 42.571 42.794 43.016 43.239 43.460	27.739 27.740 27.743 27.744 27.747 27.748 27.750 27.751 27.754 27.755	44.8 44.6 44.6 44.3 44.3 44.2 44.2 44.0	26.461 26.684 26.908 27.131 27.353 27.574 27.796 28.017 28.237 28.457	90.5 90.5 90.4 90.4 90.5 90.5 90.5 90.4	1506.0 1506.8 1507.6 1508.4 1509.2 1510.0 1510.8 1511.7 1512.5 1513.3	52312.1 53613.5 54925.6 56248.3 57581.6 58925.5 60279.9 61644.8 63020.1 64406.0	1.3 .8 2.9 .3 1.6 .1 2.2
3500.0 3550.0 3600.0 3650.0 3700.0 3750.0 3800.0 3850.0 3950.0	3449.9 3498.8 3547.6 3596.5 3645.3 3694.1 3743.0 3791.8 3840.6 3889.3	1.509 1.505 1.504 1.503 1.499 1.497 1.496 1.497 1.499	1.242 1.233 1.227 1.221 1.212 1.205 1.198 1.194 1.191 1.187	34.685 34.685 34.686 34.688 34.688 34.689 34.690 34.690 34.689	27.776 27.777 27.778 27.778 27.780 27.781 27.782 27.783 27.783 27.783	43.681 43.901 44.121 44.340 44.559 44.778 44.997 45.215 45.432 45.648	27.757 27.757 27.758 27.758 27.758 27.760 27.760 27.761 27.761 27.761 27.761	44.0 44.1 44.2 44.2 44.2 44.2 44.7	28.677 28.897 29.118 29.338 29.559 29.780 30.001 30.223 30.445 30.668	90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4	1514.1 1515.0 1515.8 1516.7 1517.5 1518.4 1519.2 1520.1 1521.0 1521.8	65802.3 67209.0 68626.2 70053.8 71491.9 72940.4 74399.5 75869.0 77349.0 78839.6	9 5 1.0 4 .5 -1.5 -1.5
4000.0 4050.0 4100.0 4132.0	3938.1 3986.9 4035.6 4066.8	1.503 1.507 1.509 1.511	1.184 1.182 1.179 1.177	34.690 34.691 34.691 34.691	27.784 27.784 27.785 27.785	45.866 46.082 46.298 46.436	27.762 27.761 27.762 27.762	44.8 45.0 45.1 45.2	30.892 31.116 31.341 31.486	90.4 90.4 90.4 90.3	1522.7 1523.6 1524.4 1525.0	80340.7 81852.4 83374.8 84354.6	-1.3 2.3 .9

Station	48	Latitude	32 * 05	.59'N	Longi	tude 127°	38.84'W	2	7 Aug 198	GMT 1	6:17	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma- kg/m ³	9 Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht g J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	10.0 19.9 29.9 39.9 49.8 59.8 69.8 79.7	19.297 19.293 19.296 19.295 19.451 19.685 18.616 17.569 17.290 17.032	19.297 19.291 19.292 19.289 19.444 19.676 18.605 17.557 17.277 17.017	33.493 33.492 33.492 33.578 33.983 34.030 34.103 34.101	23.795 23.796 23.796 23.796 23.823 24.026 24.345 24.638 24.761 24.822	23.795 23.840 23.883 23.927 23.996 24.243 24.605 24.943 25.215	23.795 23.796 23.795 23.795 23.821 24.024 24.342 24.635 24.635 24.758 24.818	409.6 409.8 410.2 410.6 408.4 359.4 359.4 331.7 320.2 314.8	.000 .410 .820 1.230 1.640 2.039 2.414 2.756 3.082 3.399	90.0 90.0 90.1 89.9 90.0 89.9 90.0 90.1	1518.4 1518.6 1518.7 1519.6 1520.8 1518.0 1515.0 1514.6 1514.0	.0 2.0 8.2 18.4 32.7 51.1 73.3 99.0 128.1 160.4	-1.9 2.8 6 233.1 237.0 185.3 145.9 90.8 21.7
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	16.632 16.584 16.079 15.388 14.571 13.840 12.947 11.497 10.564 9.794	16.616 16.567 16.060 15.368 14.550 13.819 12.926 11.476 10.542 9.773	34.063 34.175 34.189 34.106 34.011 33.935 33.855 33.719 33.654 33.710	24.886 24.984 25.111 25.203 25.307 25.406 25.521 25.692 25.809 25.983	25.324 25.465 25.637 25.774 25.925 26.070 26.232 26.453 26.618 26.840	24.882 24.980 25.107 25.198 25.303 25.401 25.517 25.688 25.805 25.980	308.9 300.0 288.1 279.6 269.7 260.5 249.5 233.1 221.9 205.3	3.713 4.017 4.312 4.594 4.867 5.133 5.387 5.626 5.855 6.069	90.2 90.3 90.5 90.6 90.7 90.7 90.8 90.9	1512.9 1513.1 1511.7 1509.6 1507.1 1504.8 1501.9 1496.9 1493.6 1491.1	195.8 234.3 275.8 320.1 367.2 416.9 469.3 524.1 581.2 640.5	167.1 146.1 190.2 41.3 8.7 117.2 91.0 30.1 169.3 116.1
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 248.8 258.8 268.7 278.6 288.6	9.454 9.186 9.056 8.921 8.781 8.689 8.501 8.301 8.118 7.937	9.432 9.163 9.032 8.897 8.755 8.663 8.474 8.273 8.090 7.908	33.774 33.830 33.898 33.920 33.939 33.972 33.972 33.979 33.984	26.089 26.177 26.250 26.289 26.326 26.353 26.395 26.463 26.463	26.992 27.126 27.246 27.330 27.413 27.486 27.574 27.657 27.734 27.812	26.085 26.173 26.247 26.285 26.322 26.349 26.391 26.427 26.458 26.490	195.4 187.2 180.3 176.8 173.4 171.0 167.1 163.7 160.9 157.9	6.273 6.465 6.650 6.829 7.003 7.176 7.345 7.510 7.673 7.832	90.9 90.9 90.9 90.9 90.9 90.9 90.9	1490.1 1489.3 1489.1 1488.8 1488.4 1488.2 1487.7 1487.7 1486.6 1486.1	701.8 765.1 830.3 897.3 966.0 1036.5 1108.6 1182.4 1257.8 1334.8	227.6 96.4 75.0 64.2 4.1 46.3 53.3 9.0 19.2 2.5
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.2 358.1 368.0 377.9 387.9	7.859 7.697 7.556 7.429 7.249 7.067 6.923 6.756 6.408	7.829 7.667 7.525 7.397 7.217 7.034 6.889 6.722 6.520 6.374	33.991 33.993 33.992 33.993 33.993 33.999 33.999 34.002 34.005	26.507 26.532 26.552 26.569 26.596 26.625 26.646 26.668 26.698 26.719	27.871 27.942 28.009 28.073 28.146 28.222 28.289 28.358 28.435 28.504	26.502 26.527 26.548 26.565 26.592 26.621 26.641 26.663 26.693 26.715	156.9 154.6 152.7 151.1 148.6 145.9 144.0 142.0 149.1 139.1	7.990 8.146 8.299 8.451 8.601 8.748 8.893 9.036 9.177 9.314	90.9 90.8 90.8 90.8 90.8 90.8 90.8	1485.9 1485.5 1485.1 1484.8 1484.2 1483.7 1483.3 1482.8 1482.2 1481.8	1413.4 1493.5 1575.2 1658.4 1743.0 1829.1 1916.7 2005.7 2096.1 2187.9	37.4 18.6 28.5 28.8 31.4 13.2 31.9 18.1 20.5
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.3 477.2	6.275 6.181 6.098 5.987 5.966 5.919 5.746 5.692 5.584 5.500	6.240 6.146 6.062 5.950 5.928 5.880 5.707 5.653 5.544 5.459	34.012 34.015 34.021 34.027 34.029 34.042 34.045 34.050 34.058	26.742 26.756 26.772 26.790 26.792 26.831 26.832 26.841 26.859 26.875	28.573 28.634 28.696 28.761 28.810 28.864 28.943 28.993 29.125	26.737 26.751 26.767 26.785 26.788 26.796 26.827 26.836 26.854 26.870	135.0 133.7 132.3 130.5 130.4 129.8 126.7 125.9 124.3 122.8	9.450 9.585 9.718 9.849 9.980 10.110 10.238 10.364 10.490 10.613	90.8 90.7 90.8 90.7 90.8 90.7 90.7 90.7 90.7	1481.4 1481.2 1481.0 1480.7 1480.8 1480.8 1480.3 1480.3 1480.0 1479.8	2281.0 2375.5 2471.2 2568.3 2666.7 2766.4 2867.3 2969.5 3073.0 3177.6	7.8 5.4 8.4 1.9 27.4 -4.0 18.3 13.3
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.8 526.8 536.7 546.6 556.5 566.4 576.3 586.3	5.412 5.379 5.309 5.225 5.109 4.999 4.982 4.908 4.859 4.843	5.371 5.338 5.267 5.182 5.066 4.955 4.937 4.863 4.813 4.797	34.069 34.072 34.082 34.094 34.103 34.118 34.120 34.134 34.141 34.142	26.894 26.900 26.916 26.936 26.981 26.985 27.004 27.015 27.019	29.192 29.244 29.306 29.373 29.441 29.512 29.629 29.629 29.686 29.735	26.889 26.895 26.911 26.931 26.951 26.976 26.980 27.000 27.010 27.013	121.0 120.5 119.0 117.2 115.3 112.9 112.6 110.8 109.8	10.735 10.856 10.976 11.094 11.210 11.324 11.437 11.548 11.658 11.768	90.7 90.8 90.7 90.7 90.7 90.7 90.7 90.7 90.7	1479.6 1479.7 1479.4 1479.1 1478.8 1478.8 1478.8 1478.8	3283.5 3390.6 3498.8 3608.3 3718.9 3830.6 3943.4 4057.4 4172.4 4288.5	20.6 28.5 11.8 10.9 20.3 9.4 -1.4 3.0
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.7 655.5 675.5 685.4	4.747 4.654 4.638 4.582 4.571 4.567 4.536 4.506 4.477 4.462	4.700 4.607 4.590 4.534 4.522 4.517 4.485 4.425 4.425	34.161 34.177 34.181 34.200 34.203 34.204 34.216 34.227 34.238 34.244	27.044 27.067 27.072 27.093 27.097 27.098 27.112 27.123 27.136 27.142	29.808 29.878 29.929 29.997 30.046 30.094 30.153 30.211 30.217 30.321	27.039 27.062 27.066 27.088 27.091 27.093 27.106 27.118 27.130 27.136	107.2 105.0 104.6 102.6 102.4 102.4 101.2 100.1 99.0 98.5	11.876 11.983 12.087 12.191 12.294 12.396 12.498 12.599 12.698 12.797	90.7 90.7 90.7 90.7 90.7 90.8 90.8 90.8 90.7	1478.6 1478.5 1478.6 1478.6 1478.6 1478.8 1478.8 1478.9 1478.9	4405.7 4524.0 4643.3 4763.6 4884.9 5007.3 5130.6 5255.0 5380.3 5506.6	3.0 13.8 9.1 32.2 1.2 4.4 13.5 7.7 16.7
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5 784.4	4.443 4.417 4.382 4.358 4.331 4.269 4.244 4.222 4.200	4.390 4.363 4.327 4.303 4.275 4.242 4.212 4.186 4.163 4.140	34.251 34.262 34.274 34.283 34.291 34.300 34.308 34.316 34.321 34.328	27.149 27.161 27.174 27.184 27.193 27.204 27.213 27.222 27.229 27.237	30.375 30.433 30.493 30.548 30.664 30.662 30.717 30.772 30.825	27.144 27.155 27.169 27.178 27.187 27.199 27.208 27.216 27.223 27.231	97.9 96.9 95.6 94.8 94.0 92.1 91.4 90.8 90.1	12.895 12.993 13.089 13.184 13.279 13.372 13.465 13.557 13.648 13.738	90.7 90.7 90.7 90.6 90.7 90.6 90.7 90.6 90.6	1479.2 1479.2 1479.3 1479.3 1479.4 1479.4 1479.5 1479.6 1479.6	5633.8 5762.1 5891.3 6021.4 6152.4 6284.4 6417.3 6551.1 6685.8 6821.4	3.9 16.8 9.2 15.3 6.8 12.1 15.0 1.6 3.0 5.4
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 8453.7 863.6 873.5 883.4	4.168 4.135 4.122 4.077 4.042 4.024 4.024 3.956 3.949 3.931	4.107 4.074 4.060 4.015 3.979 3.961 3.942 3.891 3.884 3.865	34.338 34.349 34.351 34.363 34.370 34.373 34.376 34.388 34.388	27.249 27.260 27.264 27.278 27.287 27.291 27.296 27.310 27.311 27.317	30.936 30.995 31.044 31.105 31.160 31.210 31.261 31.369 31.421	27.242 27.254 27.257 27.272 27.281 27.285 27.289 27.303 27.305 27.311	89.1 88.0 87.8 86.4 85.6 85.3 84.9 83.5 83.5	13.828 13.916 14.004 14.091 14.177 14.263 14.348 14.432 14.516 14.599	90.7 90.6 90.6 90.7 90.6 90.7 90.6 90.6	1479.8 1479.8 1479.9 1479.9 1479.9 1480.0 1480.1 1480.1 1480.2 1480.3	6957.9 7095.2 7233.4 7372.5 7512.4 7653.2 7794.8 7937.2 8080.5 8224.5	10.1 5.1 7.1 12.7 15.6 8.6 3.3 15.6 7
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.5 972.4 982.3	3.911 3.898 3.860 3.820 3.816 3.798 3.796 3.734 3.735 3.735	3.844 3.831 3.792 3.752 3.746 3.725 3.663 3.663 3.663	34.401 34.409 34.415 34.425 34.425 34.429 34.430 34.445 34.445	27.325 27.333 27.342 27.353 27.355 27.360 27.361 27.379 27.380 27.380	31.475 31.529 31.585 31.642 31.689 31.741 31.787 31.852 31.899 31.945	27.319 27.326 27.336 27.346 27.348 27.353 27.354 27.372 27.373	82.3 81.6 80.8 79.8 79.7 79.3 77.5 77.5	14.682 14.764 14.845 14.925 15.005 15.084 15.163 15.242 15.319 15.397	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1480.4 1480.5 1480.5 1480.6 1480.7 1480.8 1481.0 1480.9 1481.0 1481.2	8369.4 8515.1 8661.6 8808.9 8956.9 9105.8 9255.4 9405.8 9556.9 9708.9	9.5 12.5 9.2 2.8 4.3 1.9 6.0

Station	48	Latitude	32. 05.	59'N	Longit	ude 127°	38.84'W	27	Aug 1989	GMT 1	6:17	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0 1180.0	992.2 1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.6 1150.4 1170.2	3.692 3.633 3.599 3.556 3.532 3.504 3.436 3.437 3.382 3.353	3.619 3.558 3.523 3.479 3.453 3.424 3.355 3.354 3.298 3.268	34.457 34.463 34.469 34.477 34.484 34.496 34.504 34.505 34.514	27.393 27.403 27.412 27.422 27.430 27.450 27.456 27.456 27.462 27.472	32.004 32.107 32.208 32.311 32.411 32.508 32.615 32.712 32.811 32.913	27.386 27.396 27.404 27.415 27.428 27.428 27.448 27.448 27.455 27.464	76.4 75.4 74.7 73.8 73.1 72.7 71.4 71.0 70.4 69.6	15.474 15.625 15.776 15.925 16.072 16.217 16.362 16.645 16.785	90.6 90.6 90.6 90.6 90.6 90.6 90.5	1481.2 1481.3 1481.5 1481.7 1481.9 1482.1 1482.2 1482.5 1482.6 1482.8	9861.5 10169.1 10479.6 10793.1 11109.4 11428.7 11750.7 12075.5 12403.1 12733.5	3.1 1.7 2.5 5.8 6.1 1.4 8.7 5.2 13.5
1200.0 1220.0 1240.0 1260.0 1280.0 1300.0 1320.0 1340.0 1360.0	1189.9 1209.7 1229.4 1249.2 1269.0 1288.5 1308.5 1328.2 1348.0 1367.7	3.317 3.290 3.239 3.194 3.168 3.125 3.087 3.053 3.025 2.985	3.231 3.202 3.150 3.104 3.076 3.033 2.993 2.957 2.928 2.888	34.519 34.525 34.527 34.529 34.534 34.535 34.539 34.543 34.543	27.480 27.487 27.494 27.500 27.506 27.511 27.518 27.524 27.528 27.537	33.013 33.112 33.211 33.310 33.408 33.505 33.604 33.799 33.799 33.899	27.472 27.479 27.485 27.492 27.498 27.503 27.510 27.515 27.520 27.528	68.9 68.3 67.7 67.1 66.6 65.5 65.0 63.9	16.923 17.060 17.196 17.331 17.465 17.597 17.729 17.860 17.989 18.118	90.6 90.5 90.6 90.6 90.6 90.6 90.6 90.6	1483.0 1483.2 1483.4 1483.5 1483.7 1483.9 1484.0 1484.2 1484.4	13066.6 13402.3 13740.7 14081.8 14425.5 14771.8 15120.6 15472.0 15826.0 16182.4	5.3 52.7 8.2 8.3 5.3 2.7 4.5
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.4 1407.2 1426.9 1446.7 1466.4 1486.1 1505.8 1525.6 1545.3 1565.0	2.950 2.922 2.884 2.854 2.831 2.806 2.776 2.778 2.710 2.669	2.850 2.821 2.782 2.751 2.726 2.701 2.669 2.629 2.600 2.559	34.555 34.555 34.557 34.563 34.565 34.568 34.573 34.575 34.578	27.542 27.546 27.551 27.556 27.565 27.565 27.570 27.577 27.581 27.587	33.996 34.189 34.286 34.383 34.478 34.576 34.674 34.771 34.869	27.533 27.537 27.542 27.547 27.552 27.556 27.561 27.567 27.572 27.578	63.4 63.1 62.6 62.2 61.7 61.4 60.9 60.3 59.9	18.245 18.372 18.497 18.622 18.746 18.869 18.992 19.113 19.233 19.352	90.6 90.6 90.6 90.5 90.5 90.6 90.5	1484.8 1485.0 1485.2 1485.4 1485.6 1485.9 1486.1 1486.2 1486.5 1486.6	16541.4 16902.8 17266.7 17633.0 18001.7 18372.8 18746.3 19122.2 19500.4 19881.0	1.6 3.4 3.1 4.0 3.1 2.8 4.9
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.5 1624.2 1643.9 1663.6 1683.3 1703.1 1722.8 1742.5 1762.2	2.638 2.615 2.592 2.562 2.526 2.484 2.449 2.425 2.390 2.372	2.526 2.502 2.477 2.445 2.366 2.329 2.305 2.267 2.248	34.581 34.582 34.584 34.587 34.589 34.598 34.598 34.600 34.602	27.592 27.596 27.599 27.605 27.616 27.621 27.625 27.630 27.633	34.966 35.060 35.156 35.253 35.349 35.448 35.546 35.641 35.738 35.832	27.583 27.586 27.590 27.595 27.599 27.606 27.611 27.615 27.620 27.623	58.9 58.3 57.8 57.4 56.1 55.3 55.3	19.470 19.588 19.705 19.820 19.936 20.050 20.163 20.274 20.385 20.496	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1486.8 1487.1 1487.3 1487.5 1487.7 1487.8 1488.0 1488.3 1488.4 1488.7	20263.8 20649.0 21036.4 21426.0 21817.9 22212.1 22608.4 23006.9 23407.5 23810.3	1 15.5 1.7 5.8 4.7 3.8 2.7
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1919.8 1939.4 1959.1	2.335 2.309 2.281 2.246 2.222 2.201 2.178 2.148 2.133 2.120	2.210 2.183 2.154 2.118 2.092 2.069 2.045 2.014 1.998 1.983	34.605 34.610 34.612 34.613 34.615 34.617 34.620 34.623	27.638 27.642 27.651 27.655 27.658 27.662 27.666 27.670 27.672	35.930 36.025 36.121 36.218 36.313 36.407 36.503 36.598 36.693 36.786	27.628 27.632 27.636 27.641 27.644 27.647 27.655 27.655 27.659 27.661	54.5 54.1 53.7 53.2 52.8 52.6 52.2 51.8 51.5	20.605 20.714 20.822 20.929 21.035 21.140 21.245 21.349 21.452 21.555	90.4 90.5 90.5 90.5 90.6 90.5 90.5 90.5	1488.9 1489.1 1489.3 1489.5 1489.7 1490.2 1490.4 1490.7 1491.0	24215.3 24622.3 25031.4 25442.6 25455.9 26271.2 26688.5 27107.8 27529.2 27952.5	3.3 4.5 3.3 2.7 1.9 3.4 2.2 1.6
2000.0 2050.0 2100.0 2150.0 2200.0 2350.0 2350.0 2400.0 2450.0	1978.8 2028.0 2077.2 2126.4 2175.6 2224.7 2273.9 2323.0 2372.1 2421.2	2.105 2.061 2.022 1.985 1.955 1.922 1.892 1.866 1.838 1.811	1.967 1.919 1.876 1.836 1.802 1.765 1.731 1.701 1.669 1.638	34.626 34.630 34.632 34.636 34.639 34.643 34.645 34.648 34.650 34.650	27.674 27.681 27.687 27.693 27.698 27.704 27.708 27.713 27.717 27.722	36.879 37.114 37.346 37.579 37.811 38.042 38.273 38.503 38.732 38.962	27.663 27.670 27.675 27.681 27.686 27.692 27.696 27.700 27.704 27.709	51.1 50.5 50.0 49.4 49.0 48.6 48.2 47.8 47.5	21.657 21.911 22.162 22.411 22.657 22.901 23.142 23.383 23.621 23.857	90.5 90.6 90.5 90.5 90.5 90.5 90.5 90.5	1491.3 1491.9 1492.6 1493.3 1494.0 1494.7 1496.1 1496.8 1497.6	28377.8 29449.7 30533.7 31629.8 32737.7 33857.5 34988.9 36131.9 37286.4 38452.3	.8 2.1 1.6 .1 .8 .1
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2950.0	2470.3 2519.4 2568.5 2617.6 2666.6 2715.7 2764.7 2813.7 2862.7 2911.7	1.787 1.770 1.739 1.721 1.696 1.673 1.657 1.645 1.627	1.610 1.589 1.554 1.532 1.503 1.476 1.456 1.439 1.417	34.656 34.657 34.660 34.661 34.663 34.664 34.666 34.667 34.669	27.726 27.729 27.733 27.736 27.739 27.742 27.745 27.748 27.750 27.752	39.191 39.418 39.648 39.874 40.102 40.328 40.554 40.780 41.005 41.229	27.712 27.715 27.720 27.722 27.725 27.728 27.730 27.733 27.735 27.736	46.8 46.7 46.2 46.1 45.8 45.6 45.2 45.2	24.092 24.326 24.558 24.789 25.018 25.246 25.473 25.700 25.926 26.151	90.5 90.5 90.5 90.4 90.5 90.4 90.5 90.5	1498.3 1499.1 1499.8 1500.6 1501.3 1502.8 1503.6 1504.4 1505.2	39629.4 40817.8 42017.4 43228.0 44449.7 45682.3 46925.7 48180.1 49445.2 50721.0	2.1 1.3 1.0 .5 1.1 .0
3000.0 3050.0 3100.0 3150.0 3200.0 3250.0 3300.0 3350.0 3400.0 3450.0	2960.7 3009.7 3058.7 3107.6 3156.6 3205.5 3254.4 3303.3 3352.2 3401.1	1.607 1.596 1.585 1.575 1.567 1.559 1.548 1.543 1.532	1.388 1.372 1.357 1.342 1.329 1.316 1.300 1.290 1.275 1.264	34.671 34.673 34.674 34.675 34.677 34.677 34.679 34.680 34.681 34.682	27.754 27.757 27.759 27.761 27.762 27.764 27.767 27.768 27.771 27.772	41.453 41.677 41.901 42.125 42.347 42.569 42.792 43.014 43.236 43.457	27.739 27.740 27.742 27.744 27.745 27.747 27.749 27.750 27.752 27.753	44.9 44.7 44.6 44.5 44.4 44.3 44.3	26.376 26.600 26.824 27.047 27.270 27.493 27.715 27.937 28.159 28.380	90.5 90.5 90.4 90.5 90.5 90.4 90.4	1506.0 1506.8 1507.6 1508.4 1509.2 1510.1 1510.9 1511.7 1512.5 1513.3	52007.7 53305.0 54613.0 55931.6 57260.8 58600.7 59951.2 61312.2 62312.2 64065.8	1.1 9 1.2 3 2.4 1.3 .5
3500.0 3550.0 3600.0 3650.0 3700.0 3750.0 3850.0 3900.0 3950.0	3450.0 3498.9 3547.7 3596.6 3645.4 3694.2 3743.0 3791.8 3840.6 3889.4	1.518 1.513 1.508 1.505 1.504 1.501 1.500 1.499 1.500 1.503	1.251 1.241 1.231 1.223 1.217 1.209 1.202 1.196 1.192 1.189	34.683 34.685 34.685 34.686 34.688 34.689 34.689 34.689 34.689	27.774 27.775 27.777 27.778 27.778 27.780 27.782 27.782 27.782 27.783	43.678 43.899 44.119 44.339 44.557 44.777 44.777 44.996 45.214 45.431 45.648	27.755 27.756 27.757 27.758 27.758 27.758 27.759 27.761 27.761 27.761 27.761	44.2 44.2 44.2 44.3 44.3 44.3 44.4 44.6	28.601 28.822 29.043 29.264 29.485 29.706 29.928 30.150 30.373 30.596	90.4 90.4 90.5 90.4 90.4 90.4 90.4	1514.2 1515.0 1515.8 1516.7 1517.5 1518.4 1519.2 1520.1 1521.0 1521.8	65458.4 66861.4 68275.0 69699.0 71133.5 72578.5 74034.0 75500.0 76976.5 78463.6	1.2 .4 -1.1 1.3 7 .8 .3 1.5
4000.0 4050.0 4100.0 4150.0 4200.0 4250.0 4300.0 4328.0	3938.2 3986.9 4035.7 4084.4 4133.2 4181.9 4230.6 4257.9	1.505 1.509 1.512 1.516 1.520 1.523 1.526 1.529	1.186 1.184 1.181 1.180 1.178 1.176 1.173 1.172	34.690 34.691 34.691 34.691 34.691 34.692 34.692	27.784 27.784 27.785 27.785 27.785 27.785 27.786 27.786	45.865 46.081 46.298 46.513 46.728 46.944 47.159 47.279	27.761 27.761 27.762 27.761 27.761 27.761 27.761 27.761 27.761	44.9 45.1 45.4 45.6 45.8 45.9	30.820 31.045 31.270 31.497 31.724 31.952 32.181 32.310	90.4 90.4 90.5 90.4 90.4 90.4 90.3	1522.7 1523.6 1524.5 1525.3 1526.2 1527.1 1528.0 1528.5	79961.3 81469.5 82988.4 84518.0 86058.3 87609.4 89171.3 90050.6	8 3 -1.1 .1 -1.3

Station		Latitude	31° 51.	.97'N	Longit	ude 127°	47.40'W	27	7 Aug 198	9 GMT 2	0:11	Bottom	4350 m
Pres.	Depth R	Temp.	Pot.T.	Sal 0/00	Sigma-6 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht g J/kg	LTR 0/0	sv m/s	m ³ /s ²	$10^{6}/s^{2}$
.0 10.0 20.0 30.0 40.0 50.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.9 49.8 59.8 69.8 79.7	19.561 19.524 19.528 19.553 19.694 19.728 18.343 17.377 16.801	19.561 19.522 19.524 19.548 19.687 19.719 18.332 17.365 16.962 16.787	33.636 33.633 33.636 33.649 33.795 33.992 34.021 33.981 33.940 34.064	23.837 23.845 23.846 23.850 23.926 24.926 24.441 24.646 24.710 24.847	23.837 23.888 23.933 23.980 24.099 24.702 24.702 24.952 25.060 25.241	23.837 23.844 23.845 23.849 23.924 24.065 24.439 24.644 24.707 24.844	405.6 405.2 405.4 405.4 398.6 385.5 350.1 330.8 325.0 312.4	.000 .405 .811 1.216 1.620 2.013 2.379 2.723 3.051 3.369	90.2 90.1 90.2 90.1 90.2 90.1 90.2 90.3 90.3	1519.3 1519.4 1519.5 1519.8 1520.5 1521.0 1517.3 1514.6 1513.5 1513.3	2.0 8.1 18.2 32.3 50.5 72.4 97.8 126.6 158.5	1.0 1.0 36.9 165.2 220.6 116.1 272.6 130.6 99.5
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	16.642 16.315 16.169 15.338 15.338 14.921 14.117 13.955 12.890 12.395 11.281	16.625 16.297 16.150 15.318 14.900 14.096 13.932 12.867 12.371 11.257	34.079 34.100 34.093 34.089 34.060 34.013 33.904 33.863 33.799	24.896 24.988 25.017 25.200 25.270 25.431 25.571 25.635 25.794	25.334 25.470 25.543 25.772 25.887 26.071 26.139 26.327 26.437 26.645	24.893 24.984 25.013 25.196 25.403 25.427 25.566 25.631 25.790	308.0 299.5 297.1 279.8 273.4 260.4 258.4 245.1 239.0 223.8	3.680 3.982 4.280 4.569 4.845 5.114 5.373 5.627 6.100	90.4 90.3 90.4 90.8 90.9 90.9 91.0 90.9	1513.0 1512.2 1511.9 1509.5 1508.3 1505.8 1505.4 1501.9 1500.3 1496.5	193.6 231.8 272.9 317.0 363.8 413.4 465.5 520.3 577.5 637.0	141.7 22.2 55.8 138.8 31.0 67.8 20.6 77.2 285.9 143.4
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.0 229.0 238.9 248.9 258.8 268.7 278.7 288.6	10.613 10.164 9.885 9.636 9.359 9.152 8.812 8.697 8.618 8.446	10.589 10.140 9.860 9.610 9.333 9.125 8.785 8.668 8.589 8.415	33.793 33.818 33.845 33.876 33.928 33.959 33.990 33.991 33.993 34.004	25.909 26.005 26.074 26.140 26.225 26.381 26.380 26.395 26.430	26.807 26.951 27.065 27.177 27.309 27.414 27.538 27.603 27.663 27.744	25.905 26.001 26.070 26.136 26.221 26.279 26.357 26.376 26.390 26.425	212.9 203.8 197.4 191.3 183.2 177.8 170.4 168.8 167.6 164.4	6.318 6.525 6.724 6.918 7.105 7.284 7.460 7.630 7.798 7.965	91.1 91.0 91.0 91.1 91.0 91.0 91.0 91.0	1494.3 1492.9 1492.1 1491.4 1490.6 1490.0 1488.9 1488.7 1488.5 1488.0	698.7 762.6 828.4 896.2 965.9 1037.4 1110.7 1185.7 1262.3 1340.6	138.3 55.0 22.2 6.3 102.6 4.8 118.1 25.2 1.8 72.6
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.3 348.2 358.1 368.0 378.0 387.9	8.174 8.072 7.933 7.914 7.712 7.403 7.336 7.099 6.864	8.144 8.041 7.901 7.881 7.679 7.369 7.301 7.064 6.870 6.828	34.009 34.005 34.004 34.002 34.005 34.005 34.003 34.001 34.000	26.475 26.487 26.507 26.508 26.539 26.583 26.591 26.625 26.650 26.655	27.836 27.895 27.961 28.007 28.085 28.178 28.231 28.312 28.385 28.435	26.470 26.482 26.503 26.534 26.579 26.586 26.620 26.645 26.650	160.1 159.1 157.3 157.3 154.4 150.1 149.5 149.5 143.9	8.126 8.286 8.443 8.601 8.757 8.908 9.058 9.206 9.351 9.494	91.0 90.9 91.0 90.8 90.8 90.7 90.7 90.6 90.6	1487.2 1486.9 1486.6 1486.7 1486.1 1485.0 1484.9 1484.2 1483.6 1483.6	1420.5 1502.0 1585.1 1669.7 1755.9 1843.6 1932.8 2023.5 2115.6 2209.1	12.8 31.0 1.7 4.3 52.6 6.3 10.7 33.7 5.6 5.6
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.7 427.6 437.5 447.4 457.4 467.3 477.2 487.1	6.502 6.471 6.429 6.350 6.175 6.070 5.982 5.901 5.896 5.813	6.466 6.434 6.392 6.311 6.137 6.031 5.942 5.860 5.855 5.772	34.010 34.009 34.009 34.012 34.018 34.023 34.029 34.039 34.039 34.051	26.711 26.714 26.719 26.732 26.760 26.777 26.792 26.811 26.812 26.831	28.540 28.589 28.640 28.700 28.774 28.839 28.901 28.906 29.012 29.078	26.706 26.709 26.714 26.727 26.754 26.772 26.788 26.806 26.807 26.826	138.1 137.9 137.5 136.4 133.8 132.1 130.7 129.0 129.1 127.3	9.635 9.773 9.911 10.048 10.183 10.316 10.447 10.577 10.706 10.834	90.6 90.6 90.6 90.5 90.5 90.6 90.7	1482.3 1482.3 1482.2 1482.7 1481.7 1481.4 1481.2 1481.1	2304.1 2400.4 2498.0 2597.1 2697.5 2799.2 2902.2 3006.5 3112.1 3218.9	9.0 3.2 12.8 54.4 21.3 15.1 5.5 1 4.9
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0	497.0 507.0 516.9 526.8 536.7 546.5 556.5 576.4 586.3	5.670 5.615 5.592 5.563 5.354 5.339 5.185 5.072 5.099 5.043	5.628 5.572 5.548 5.518 5.310 5.294 5.139 5.026 5.052 4.996	34.068 34.099 34.103 34.125 34.130 34.144 34.146 34.138 34.153 34.165	26.862 26.894 26.900 26.921 26.950 26.962 26.982 26.989 26.989 27.014	29.157 29.235 29.286 29.353 29.481 29.489 29.557 29.666 29.728	26.857 26.889 26.895 26.915 26.944 26.957 26.977 26.9784 26.993 27.009	124.3 121.4 121.0 119.1 116.2 115.1 113.1 112.5 111.8 110.3	10.961 11.084 11.205 11.325 11.442 11.557 11.671 11.784 11.896 12.007	90.6 90.7 90.6 90.6 90.6 90.7 90.7	1480.7 1480.6 1480.7 1480.8 1480.1 1480.2 1479.8 1479.5 1479.8	3327.0 3436.3 3546.9 3658.6 3771.5 3885.5 4000.7 4116.9 4234.3 4352.8	64.6 16.8 11.9 31.2 23.6 17.4 15.9 2.4 8.9
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.7 665.6 675.5 685.4	4.856 4.867 4.734 4.686 4.681 4.629 4.606 4.5564 4.526 4.510	4.809 4.819 4.686 4.637 4.631 4.555 4.512 4.473 4.457	34.161 34.175 34.175 34.206 34.210 34.218 34.233 34.243 34.243	27.032 27.047 27.056 27.071 27.085 27.096 27.105 27.122 27.134 27.139	29.794 29.854 29.912 29.973 30.032 30.090 30.145 30.208 30.267 30.318	27.027 27.041 27.051 27.065 27.079 27.091 27.100 27.116 27.128 27.133	108.5 107.2 106.2 104.9 103.7 102.7 101.9 100.4 99.2 98.8	12.117 12.224 12.331 12.437 12.541 12.644 12.746 12.848 12.947 13.047	90.7 90.7 90.7 90.9 90.7 90.7 90.6 90.7	1479.1 1479.3 1478.9 1478.9 1479.1 1479.0 1479.1 1479.2 1479.3	4472.4 4593.0 4714.7 4837.5 4961.3 5086.0 5211.9 5338.7 5466.5 5595.2	3.6 13.5 10.3 17.9 13.8 8.8 11.2 16.8 10.0 7.7
700.0 710.0 720.0 730.0 740.0 750.0 750.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 734.8 754.7 764.6 774.5	4.483 4.470 4.461 4.570 4.516 4.491 4.332 4.279 4.259 4.258	4.429 4.415 4.406 4.513 4.459 4.433 4.274 4.220 4.200 4.198	34.256 34.261 34.277 34.309 34.318 34.320 34.315 34.314 34.322 34.333	27.149 27.154 27.168 27.182 27.195 27.200 27.212 27.218 27.226 27.235	30.374 30.425 30.485 30.542 30.602 30.653 30.714 30.766 30.821 30.875	27.143 27.148 27.162 27.176 27.188 27.194 27.206 27.212 27.220 27.228	91.1 90.5	13.145 13.243 13.340 13.436 13.530 13.625 13.717 13.810 13.901 13.992	90.7 90.6 90.6 90.6 90.6 90.6 90.6 90.7	1479.3 1479.4 1479.6 1480.2 1480.2 1480.3 1479.8 1479.8 1479.8	5725.0 5855.7 5987.3 6120.0 6253.5 6388.0 6523.4 6659.7 6796.9 6935.0	15.9 13.8 -3.7 19.5 9.5 22.4 4.5 7.7 10.1 8.6
800.0 810.0 820.0 830.0 840.0 850.0 860.0 880.0	794.3 804.3 814.2 824.0 834.0 843.8 853.7 863.6 873.5 883.4	4.198 4.199 4.164 4.102 4.097 4.120 4.117 4.061 4.023 3.987	4.137 4.138 4.102 4.040 4.034 4.056 4.052 3.995 3.957 3.920	34.336 34.351 34.359 34.363 34.372 34.383 34.389 34.393 34.397 34.406	27.243 27.255 27.266 27.275 27.283 27.290 27.295 27.304 27.311 27.322	30.931 30.988 31.045 31.101 31.155 31.206 31.258 31.313 31.367 31.424	27.237 27.249 27.260 27.269 27.277 27.283 27.288 27.297 27.304 27.315	87.6 86.7 86.1 85.6 85.2 84.4 83.7	14.082 14.171 14.259 14.347 14.433 14.519 14.604 14.689 14.773 14.856	90.6 90.7 90.6 90.7 90.7 90.6 90.6 90.6	1479.9 1480.1 1480.0 1480.2 1480.4 1480.6 1480.5 1480.5	7074.0 7213.9 7354.6 7496.2 7638.7 7782.0 7926.1 8071.1 8216.9 8363.5	8.6 12.1 11.8 7.4 7.2 5.1 3.7 8.1 12.7 8.9
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.6 972.5 982.4	3.958 3.922 3.886 3.859 3.848 3.815 3.778 3.764 3.764 3.707	3.891 3.854 3.818 3.790 3.778 3.707 3.693 3.668 3.635	34.408 34.416 34.422 34.429 34.433 34.440 34.444 34.450 34.459 34.458	27.327 27.337 27.345 27.354 27.358 27.367 27.374 27.389 27.389 27.392	31.475 31.532 31.586 31.642 31.691 31.747 31.801 31.852 31.957	27.320 27.330 27.338 27.347 27.351 27.360 27.367 27.373 27.382 27.385	81.4 80.6 79.8 79.5 78.7 78.0 77.5 76.7	14.939 15.021 15.102 15.182 15.262 15.341 15.419 15.497 15.574 15.651	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1480.6 1480.6 1480.7 1480.7 1480.8 1480.9 1480.9 1481.0 1481.1	8510.9 8659.2 8808.2 8958.0 9260.0 9412.2 9565.1 9718.8 9873.2	14.5 10.7 10.1 10.1 6.9 7.5 13.9 3.1 4.3 5.7

Station	49	Latitude	31. 51.9	7'N	Longitu	ide 127°	47.40'W	27	Aug 1989	GMT 20	1:11	Bottom	
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn. Ht	LTR 0/0	SV m/s	TF m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0 1120.0 1140.0 1160.0	992.3 1012.0 1031.8 1051.6 1071.4 1091.2 1110.9 1130.7 1150.4 1170.2	3.671 3.624 3.610 3.553 3.498 3.428 3.402 3.358 3.325 3.296	3.598 3.549 3.534 3.476 3.420 3.348 3.321 3.276 3.242 3.212	34.469 34.469 34.478 34.484 34.491 34.491 34.502 34.509 34.514 34.519	27.397 27.410 27.418 27.428 27.428 27.450 27.458 27.468 27.468 27.475 27.482	32.009 32.114 32.214 32.317 32.420 32.524 32.624 32.726 32.825 32.924	27.390 27.402 27.410 27.421 27.431 27.442 27.450 27.460 27.467 27.474	75.9 74.8 74.2 73.2 72.3 71.2 70.5 69.7 69.1 68.5	J/kg 15.727 15.878 16.027 16.174 16.319 16.463 16.605 16.745 16.884 17.022	90.7 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1481.1 1481.3 1481.6 1481.7 1481.8 1481.8 1482.0 1482.2 1482.4 1482.6	10028.4 10340.9 10656.5 10974.9 11296.1 11620.2 11947.1 12276.7 12609.1 12944.1	3.1 6.9 7.5 5.8 1.7 7.5 1.4 3.5 2.3
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0	1190.0 1209.7 1229.5 1249.3 1269.0 1288.8 1308.5 1328.3 1348.0 1367.8	3.263 3.224 3.178 3.133 3.086 3.055 3.036 2.989 2.946 2.904	3.177 3.137 3.089 3.043 2.995 2.963 2.943 2.894 2.850 2.807	34.522 34.526 34.529 34.534 34.541 34.543 34.548 34.552 34.556	27.487 27.494 27.501 27.509 27.517 27.522 27.525 27.534 27.541 27.548	33.022 33.121 33.221 33.321 33.519 33.613 33.714 33.813 33.914	27.479 27.486 27.493 27.501 27.508 27.514 27.517 27.525 27.532 27.540	68.0 67.4 66.8 66.0 65.3 64.9 64.7 63.9 63.2	17.158 17.294 17.428 17.560 17.692 17.822 17.951 18.080 18.207 18.333	90.5 90.6 90.6 90.6 90.6 90.6 90.6	1482.8 1483.0 1483.1 1483.2 1483.6 1483.6 1484.0 1484.1 1484.3	13281.9 13622.3 13965.3 14310.9 14659.1 15009.8 15363.1 15718.9 16077.1 16437.9	1.5 5.6 2.9 -1.4 5.8 3.3 5.9
1400.0 1420.0 1440.0 1460.0 1500.0 1500.0 1540.0 1560.0 1580.0	1387.5 1407.2 1427.0 1446.7 1466.4 1505.9 1525.6 1545.4 1565.1	2.861 2.838 2.799 2.774 2.731 2.691 2.664 2.668 2.609	2.762 2.738 2.698 2.671 2.628 2.558 2.558 2.550 2.501 2.463	34.560 34.562 34.565 34.567 34.570 34.573 34.574 34.577 34.580 34.583	27.555 27.559 27.569 27.569 27.575 27.581 27.584 27.589 27.594	34.013 34.108 34.206 34.302 34.401 34.499 34.594 34.691 34.787 34.885	27.546 27.550 27.556 27.566 27.566 27.572 27.575 27.580 27.584 27.590	61.9 61.5 61.0 60.7 60.1 59.2 58.8 58.4 57.8	18.457 18.581 18.703 18.825 18.946 19.065 19.184 19.302 19.419 19.535	90.6 90.5 90.5 90.5 90.5 90.5 90.5 90.6	1484.4 1484.7 1484.8 1485.1 1485.2 1485.4 1485.6 1485.8 1486.0 1486.2	16801.0 17166.6 17534.6 17904.9 18277.6 18652.6 19030.0 19409.6 19791.6 20175.7	2.4 2.7 6.6 5.1 3.9 1.3 3.7
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.5 1624.3 1644.0 1663.7 1683.4 1703.1 1722.8 1742.5 1762.2	2.542 2.508 2.470 2.443 2.425 2.389 2.370 2.342 2.313 2.286	2.431 2.396 2.357 2.328 2.309 2.272 2.251 2.222 2.192 2.164	34.584 34.587 34.590 34.592 34.593 34.597 34.599 34.601 34.603	27.604 27.609 27.614 27.618 27.620 27.627 27.630 27.634 27.639 27.642	34.981 35.078 35.176 35.272 35.365 35.464 35.559 35.654 35.750 35.846	27.594 27.599 27.605 27.609 27.611 27.617 27.621 27.624 27.628 27.632	57.4 56.9 56.4 56.0 55.8 55.2 54.6 54.2 53.8	19.650 19.765 19.878 19.990 20.102 20.213 20.324 20.433 20.542 20.650	90.5 90.5 90.6 90.5 90.5 90.5 90.5 90.5	1486.4 1486.6 1486.8 1487.0 1487.3 1487.4 1487.7 1487.9 1488.1 1488.3	20562.2 20950.8 21341.7 21734.7 22129.9 22527.3 22926.8 23328.5 23732.3 24138.1	2.5 3.7 4.0 2.0 4.1 2.0 2.6 3.5 3.0
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1919.8 1939.5 1959.2	2.256 2.229 2.214 2.188 2.171 2.153 2.128 2.112 2.098 2.084	2.132 2.104 2.087 2.060 2.042 2.022 1.997 1.978 1.963 1.948	34.608 34.611 34.612 34.614 34.615 34.617 34.620 34.621 34.623 34.623	27.648 27.652 27.654 27.657 27.660 27.663 27.667 27.670 27.673	35.943 36.038 36.132 36.227 36.321 36.415 36.510 36.604 36.698 36.791	27.637 27.641 27.644 27.647 27.653 27.657 27.660 27.662 27.662	53.3 52.9 52.7 52.3 52.1 51.8 51.5 51.2 51.0	20.757 20.863 20.968 21.073 21.178 21.282 21.385 21.488 21.590 21.692	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1488.5 1488.8 1489.0 1489.3 1489.5 1489.8 1490.0 1490.3 1490.6 1490.8	24546.1 24956.0 25368.1 25782.2 26198.2 26616.4 27036.5 27458.6 27882.6 28308.7	2.1 3.6 .9 .1 3.0 2.7 2.2 2.2 2.8 1.6
2000.0 2050.0 2100.0 2150.0 2200.0 2350.0 2350.0 2400.0 2450.0	1978.9 2028.1 2077.3 2126.4 2175.6 2224.8 2273.9 2323.1 2372.2 2421.3	2.069 2.035 1.997 1.959 1.934 1.902 1.869 1.844 1.824	1.931 1.894 1.852 1.810 1.781 1.745 1.709 1.679 1.655 1.629	34.626 34.630 34.634 34.637 34.640 34.644 34.646 34.648 34.652 34.653	27.678 27.684 27.690 27.696 27.701 27.706 27.710 27.715 27.719 27.722	36.885 37.117 37.351 37.583 37.814 38.046 38.276 38.506 38.735 38.964	27.667 27.678 27.678 27.684 27.689 27.698 27.698 27.702 27.706 27.709	50.6 50.1 49.6 49.1 48.3 47.5 47.5 47.2	21.793 22.045 22.294 22.541 22.785 23.027 23.268 23.506 23.743 23.979	90.5 90.4 90.4 90.5 90.5 90.5 90.5 90.5	1491.1 1491.8 1492.5 1493.2 1493.9 1494.6 1495.3 1496.0 1496.8 1497.5	28736.7 29815.2 30905.8 32008.3 33122.6 34248.7 35386.3 36535.5 37696.0 38867.9	.8 3.2 6 2.4 .6 1.6 4.0 5
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2850.0 2900.0 2950.0	2470.4 2519.5 2568.6 2617.6 2666.7 2715.7 2715.7 2764.8 2813.8 2862.8 2911.8	1.779 1.754 1.733 1.719 1.697 1.681 1.664 1.651 1.631	1.603 1.574 1.548 1.530 1.504 1.483 1.462 1.445 1.421	34.655 34.657 34.659 34.661 34.662 34.666 34.666 34.668 34.669 34.670	27.726 27.730 27.733 27.736 27.739 27.742 27.745 27.748 27.751 27.753	39.192 39.420 39.648 39.875 40.101 40.328 40.554 40.779 41.005 41.229	27.713 27.716 27.719 27.722 27.725 27.727 27.730 27.732 27.735 27.737	46.7 46.2 46.0 45.8 45.6 45.4 45.3 45.0	24.213 24.446 24.677 24.908 25.137 25.365 25.593 25.820 26.046 26.271	90.5 90.5 90.4 90.4 90.4 90.4 90.4 90.3 90.4	1498.3 1499.0 1499.8 1500.6 1501.3 1502.1 1502.9 1503.7 1504.4 1505.2	40051.0 41245.3 42450.8 43667.3 44894.8 46133.2 47382.6 48642.8 49913.8 51195.6	1.8 .9 3.0 .1 -1.0 -1.2 3 .0 1.8 1.9
3000.0 3050.0 3100.0 3102.0	2960.8 3009.8 3058.7 3060.7	1.605 1.589 1.578 1.577	1.385 1.365 1.349 1.348	34.572 34.674 34.675 34.675	27.755 27.758 27.760 27.760	41.454 41.679 41.903 41.912	27.739 27.742 27.744 27.744		26.496 26.719 26.942 26.951	90.4 90.4 90.7 90.4	1506.0 1506.8 1507.6 1507.6	52488.1 53791.3 55105.1 55157.8	1 1.1 .0

Station	50	Latitude	31. 38.	69'N	Longit	ude 127°	55.42'W	27	Aug 1989	GMT 2			4475 m
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	_	LTR 0/0	m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.9 49.9 59.8 69.8 79.8	19.529 19.370 19.347 19.338 19.438 19.473 19.279 18.886 17.194 17.028	19.529 19.369 19.344 19.333 19.430 19.464 19.268 18.874 17.181 17.013	33.490 33.491 33.488 33.490 33.675 33.850 33.992 34.204 34.039	23.734 23.775 23.780 23.783 23.900 24.025 24.184 24.446 24.735 24.771	23.734 23.819 23.867 23.914 24.073 24.242 24.444 24.750 25.084 25.164	23.734 23.775 23.779 23.782 23.898 24.023 24.181 24.443 24.731 24.768	415.4 411.8 411.7 411.7 401.1 389.5 374.7 350.1 322.8 319.6	.000 .415 .827 1.238 1.646 2.042 2.426 2.788 3.126 3.446	90.2 90.1 90.0 89.8 89.9 90.0 89.8 90.0	1519.1 1518.8 1518.9 1519.0 1519.7 1520.1 1519.9 1519.2 1514.3 1513.9	2.1 8.3 18.6 33.0 51.3 73.6 99.6 129.1 161.8	96.6 4.5 1.5 92.8 149.4 241.0 263.5 277.6
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.3 179.3 189.2	16.568 16.400 15.836 14.978 14.481 14.315 13.630 12.677 12.310 11.590	16.552 16.383 15.818 14.959 14.461 14.293 13.608 12.654 12.286 11.566	34.055 34.085 34.078 33.985 33.960 34.019 33.937 33.854 33.839 33.864	24.895 24.957 25.081 25.199 25.288 25.368 25.447 25.634 25.789	25.332 25.439 25.608 25.772 25.906 26.031 26.156 26.330 26.436 26.638	24.891 24.953 25.077 25.195 25.283 25.363 25.443 25.569 25.629 25.785	308.1 302.5 290.9 279.8 271.6 264.2 256.7 239.2 224.4	3.759 4.066 4.364 4.649 4.926 5.194 5.452 5.704 6.177	90.1 90.4 90.5 90.5 90.7 90.8 90.8 90.9	1512.7 1512.4 1510.8 1508.2 1506.7 1506.4 1504.2 1501.1 1500.0 1497.7	197.7 236.7 278.6 323.5 371.2 421.5 474.5 530.0 587.9 648.2	11.9 131.7 118.4 70.0 120.5 74.8 6.5 175.0 138.9 99.5
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.1 229.0 238.9 248.9 258.8 268.7 278.7 288.6	10.909 10.360 9.898 9.672 9.321 9.108 8.908 8.637 8.462 8.235	10.885 10.336 9.873 9.646 9.294 9.081 8.880 8.609 8.433 8.205	33.783 33.812 33.825 33.862 33.936 33.975 33.976 33.976 33.994 34.002	25.849 25.968 26.056 26.123 26.238 26.288 26.335 26.419 26.460	26.746 26.912 27.047 27.160 27.322 27.419 27.511 27.601 27.689 27.776	25.845 25.964 26.052 26.118 26.234 26.284 26.331 26.374 26.415 26.455	218.7 207.4 199.1 192.9 182.0 177.3 173.0 169.0 165.2 161.4	6.398 6.609 6.812 7.008 7.195 7.374 7.549 7.720 7.888 8.051	90.8 90.9 90.9 90.8 90.8 90.8 90.8 90.6	1495.4 1493.6 1492.1 1491.5 1490.4 1489.8 1488.4 1487.9 1487.2	710.8 775.4 842.1 910.8 981.4 1053.8 1127.9 1203.8 1281.3 1360.5	135.4 85.2 51.5 98.3 61.6 25.6 16.5 15.8 75.5 36.0
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.3 348.2 358.1 368.0 378.0 387.9	8.066 7.918 7.791 7.649 7.402 7.106 6.966 6.717 6.556 6.497	8.035 7.887 7.760 7.617 7.369 7.073 6.932 6.683 6.522 6.463	34.005 34.004 34.004 33.999 34.001 34.005 34.006 34.007	26.487 26.510 26.527 26.548 26.579 26.622 26.642 26.700 26.709	27.850 27.919 27.982 28.049 28.128 28.219 28.285 28.368 28.438 28.493	26.483 26.505 26.522 26.543 26.574 26.618 26.637 26.673 26.696 26.704	158.8 156.8 155.3 153.3 150.4 144.2 144.5 138.9 138.2	8.211 8.369 8.525 8.679 8.831 8.979 9.125 9.267 9.407	90.5 90.3 89.9 89.4 88.8 88.0 87.0 86.1 85.2 84.3	1486.8 1486.4 1486.0 1485.6 1484.8 1483.9 1483.5 1482.7 1482.2 1482.1	1441.3 1523.6 1607.5 1692.9 1779.9 1868.3 1958.2 2049.5 2142.2 2236.2	21.9 26.0 29.2 26.5 31.4 38.1 20.8 22.5 5.8 14.3
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.8 417.7 427.6 437.5 447.5 457.4 467.3 477.2 487.1	6.379 6.261 6.138 6.045 5.978 5.945 5.893 5.886 5.878	6.343 6.225 6.101 6.008 5.940 5.906 5.854 5.846 5.837 5.745	34.010 34.014 34.021 34.029 34.034 34.051 34.055 34.074 34.085 34.097	26.727 26.745 26.767 26.785 26.797 26.815 26.824 26.840 26.851 26.871	28.558 28.622 28.691 28.756 28.814 28.878 28.933 28.995 29.051 29.118	26.722 26.740 26.762 26.780 26.792 26.810 26.819 26.835 26.845 26.866	136.5 134.8 132.8 131.1 130.0 128.4 127.6 126.3 125.4 123.5	9.683 9.819 9.953 10.085 10.215 10.344 10.472 10.599 10.726 10.850	83.4 82.5 81.7 81.1 80.5 80.2 79.8 79.5 79.4 79.3	1481.8 1481.5 1481.2 1481.0 1480.9 1480.9 1480.9 1481.1 1481.2 1481.0	2331.7 2428.4 2526.5 2626.0 2726.7 2828.7 2932.0 3036.5 3142.3 3249.3	37.4 8.7 13.1 16.0 9.8 8.7 1.9 5.7 20.1 20.4
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 507.0 516.9 526.8 536.7 546.6 556.6 556.4 586.3	5.726 5.604 5.559 5.450 5.160 5.338 5.067 5.257 4.922	5.683 5.561 5.516 5.406 5.116 5.293 5.022 5.022 4.851 4.876	34.114 34.108 34.121 34.126 34.102 34.136 34.114 34.114 34.135 34.152	26.892 26.902 26.918 26.935 26.950 26.971 26.988 27.006 27.017	29.185 29.243 29.304 29.369 29.483 29.547 29.607 29.677 29.733	26.887 26.897 26.913 26.930 26.945 26.951 26.966 26.983 27.001 27.012	121.6 120.6 119.2 117.6 115.9 115.7 114.1 112.8 110.7	10.973 11.094 11.214 11.332 11.448 11.564 11.679 11.793 11.905 12.015	79.4 79.6 80.4 81.7 82.1 82.9 83.4 84.0 84.5	1481.0 1480.6 1480.3 1479.3 1480.2 1479.2 1480.3 1480.3 1479.2	3357.5 3467.0 3577.6 3689.4 3802.4 3916.5 4031.7 4148.1 4265.5 4384.1	15.7 7.5 21.2 28.5 1.0 11.3 8.0 15.7 5.9 18.2
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0 690.0	596.2 606.1 616.0 626.0 635.9 645.8 655.7 665.6 675.5	5.044 4.872 4.794 4.752 4.718 4.742 4.626 4.559 4.536 4.524	4.996 4.824 4.745 4.702 4.668 4.691 4.575 4.507 4.484 4.470	34.199 34.192 34.200 34.203 34.212 34.224 34.235 34.236 34.249 34.256	27.041 27.055 27.070 27.077 27.088 27.095 27.116 27.125 27.138 27.145	29.800 29.862 29.924 29.978 30.035 30.087 30.156 30.212 30.270 30.323	27.035 27.050 27.065 27.072 27.083 27.089 27.111 27.119 27.132 27.139	107.9 106.5 105.0 104.4 103.4 103.0 100.9 100.1 98.9 98.4	12.124 12.231 12.337 12.441 12.545 12.649 12.750 12.851 12.950 13.049	85.0 85.6 86.6 87.1 87.6 88.0 88.6 88.9	1479.9 1479.4 1479.2 1479.2 1479.3 1479.5 1479.2 1479.1 1479.2	4503.8 4624.5 47469.0 4869.0 5117.7 5243.6 5370.4 5627.0	20.0 15.6 12.7 15.3 10.3 11.2 8.3 17.9 4.2 16.5
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.8 754.8 764.7 774.5	4.452 4.452 4.417 4.393 4.370 4.313 4.290 4.248 4.225 4.186	4.399 4.398 4.361 4.337 4.314 4.256 4.232 4.190 4.166 4.127	34.262 34.272 34.283 34.297 34.301 34.313 34.325 34.329 34.336 34.336	27.157 27.165 27.178 27.192 27.197 27.213 27.225 27.233 27.241 27.249	30.383 30.436 30.496 30.555 30.607 30.728 30.728 30.782 30.836 30.891	27.152 27.159 27.172 27.185 27.191 27.206 27.219 27.227 27.234 27.243	97.2 96.5 95.3 94.2 93.7 92.2 91.1 90.4 89.8	13.146 13.243 13.339 13.434 13.528 13.621 13.712 13.803 13.894 13.983	89.8 90.1 90.3 90.3 90.4 90.4 90.4 90.4	1479.2 1479.4 1479.5 1479.6 1479.6 1479.6 1479.6 1479.7 1479.7	5756.8 5887.5 6019.2 6151.8 6285.3 6419.8 6555.1 6691.4 6828.5 6966.5	3.9 5.1 11.5 6.2 8.0 17.7 11.8 5.4 8.9 8.9
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.4 804.3 814.2 824.1 834.0 843.9 853.8 863.7 873.5 883.5	4.149 4.138 4.087 4.072 4.053 4.018 3.991 3.993 3.965 3.941	4.089 4.077 4.026 4.010 3.990 3.955 3.927 3.928 3.899 3.875	34.346 34.353 34.359 34.367 34.377 34.382 34.390 34.395 34.400 34.403	27.257 27.264 27.274 27.282 27.292 27.300 27.308 27.313 27.319 27.324	30.945 30.997 31.054 31.108 31.164 31.219 31.274 31.323 31.377 31.427	27.250 27.257 27.267 27.275 27.285 27.293 27.302 27.306 27.313 27.317	88.3 87.7 86.8 86.1 85.2 84.5 83.7 83.4 82.8	14.072 14.160 14.247 14.333 14.419 14.504 14.588 14.671 14.755 14.837	90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4	1479.7 1479.8 1479.8 1479.9 1480.0 1480.0 1480.1 1480.3 1480.3	7105.4 7245.2 7385.8 7527.3 7669.6 7812.8 7956.7 8101.5 8247.2 8393.6	7.1 10.4 13.0 6.6 16.5 1.3 10.7 6.9 9.2 2.2
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.6 972.5 982.4	3.921 3.887 3.854 3.828 3.816 3.797 3.774 3.739 3.724 3.697	3.854 3.820 3.786 3.759 3.747 3.727 3.703 3.668 3.652 3.652	34.407 34.418 34.422 34.427 34.435 34.435 34.439 34.443	27.329 27.336 27.345 27.351 27.357 27.362 27.367 27.374 27.378 27.386	31.479 31.532 31.588 31.639 31.691 31.743 31.794 31.847 31.898 31.952	27.323 27.330 27.338 27.344 27.350 27.355 27.360 27.367 27.371 27.379	82.0 81.3 80.5 80.0 79.5 79.1 78.7 78.0 77.6	14.919 15.001 15.082 15.162 15.242 15.321 15.400 15.478 15.556 15.634	90.4 90.4 90.4 90.4 90.4 90.5 90.4 90.4	1480.5 1480.5 1480.6 1480.6 1480.7 1480.8 1480.9 1480.9 1481.0	8540.8 8688.9 8837.7 8987.3 9137.8 9289.0 9440.9 9593.7 9747.2 9901.4	4.5 11.3 8.1 2.5 7.5 8.4 8.4 2.5 6.6

Station	50	Latitude	31. 38.6	9'N	Longitu	ide 127°	55.42'W	27	Aug 1989	GMT 2	3:22	Bottom	
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1180.0 1120.0 1140.0 1160.0 1180.0	992.3 1012.1 1031.8 1051.6 1071.4 1091.2 1110.9 1130.7 1150.5 1170.2	3.679 3.631 3.629 3.556 3.5551 3.497 3.452 3.374 3.374	3.606 3.556 3.553 3.489 3.472 3.417 3.371 3.336 3.290 3.258	34.452 34.460 34.473 34.474 34.490 34.500 34.506 34.511 34.515	27.390 27.402 27.412 27.419 27.433 27.441 27.451 27.459 27.468 27.474	32.002 32.106 32.208 32.307 32.413 32.514 32.615 32.716 32.817 32.915	27.383 27.394 27.405 27.411 27.426 27.434 27.443 27.452 27.460 27.466	76.6 75.6 74.7 74.1 72.9 72.2 71.4 70.6 69.9 69.4	15.710 15.863 16.013 16.162 16.309 16.454 16.597 16.740 16.880 17.019	90.5 90.4 90.4 90.4 90.4 90.4 90.3 90.3	1481.1 1481.3 1481.6 1481.7 1482.0 1482.1 1482.2 1482.4 1482.6 1482.8	10056.4 10368.7 10683.9 11002.1 11323.1 11647.0 11973.8 12303.3 12635.6 12970.6	3.1 9.0 2.3 4.6 3.2 5.2 4.6 .8 4.1
1200.0 1220.0 1240.0 1260.0 1280.0 1300.0 1320.0 1340.0 1360.0 1380.0	1190.0 1209.8 1229.5 1249.3 1269.0 1288.8 1308.5 1328.3 1348.0 1367.8	3.309 3.256 3.205 3.176 3.152 3.102 3.050 2.997 2.9961 2.929	3.222 3.168 3.116 3.086 3.061 3.009 2.956 2.902 2.865 2.832	34.519 34.522 34.526 34.530 34.536 34.540 34.542 34.548 34.550 34.552	27.480 27.488 27.496 27.502 27.509 27.517 27.523 27.533 27.538 27.543	33.013 33.114 33.214 33.312 33.411 33.512 33.611 33.713 33.811 33.907	27.472 27.480 27.487 27.500 27.508 27.515 27.524 27.530 27.534	68.8 68.1 67.4 66.9 66.3 65.5 64.0 63.5 63.1	17.157 17.294 17.430 17.564 17.697 17.829 17.959 18.088 18.216 18.342	90.4 90.3 90.3 90.3 90.4 90.3 90.4 90.4	1483.0 1483.1 1483.2 1483.4 1483.7 1483.8 1483.9 1484.0 1484.2 1484.4	13308.3 13648.7 13991.7 14337.4 14685.7 15036.6 15390.0 15746.0 16104.4 16465.3	5.9 4.1 3.8 1.2 0 5.6 8 2
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0	1387.5 1407.3 1427.0 1446.7 1466.5 1486.2 1505.9 1525.7 1545.4 1565.1	2.886 2.855 2.827 2.779 2.774 2.734 2.711 2.675 2.661 2.632	2.787 2.756 2.726 2.697 2.670 2.629 2.604 2.567 2.552 2.552	34.557 34.560 34.562 34.564 34.567 34.570 34.572 34.575 34.576 34.579	27.551 27.556 27.560 27.564 27.569 27.576 27.579 27.584 27.586 27.592	34.007 34.104 34.200 34.297 34.393 34.492 34.586 34.684 34.777 34.875	27.542 27.551 27.556 27.566 27.566 27.569 27.575 27.577 27.582	62.4 61.9 61.6 61.1 60.8 69.9 59.4 59.3 58.8	18.468 18.593 18.716 18.839 18.961 19.082 19.202 19.321 19.440 19.558	90.4 90.4 90.4 90.4 90.4 90.3 90.3	1484.5 1484.7 1485.0 1485.2 1485.6 1485.8 1486.0 1486.2 1486.5	16828.7 17194.5 17562.7 17933.3 18306.3 18681.7 19059.4 19439.4 19821.7 20206.3	8.3 6.5 1.3 1.6 1.0 1.9 4.0 3.7 1.1
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.6 1624.3 1644.0 1663.7 1683.4 1703.1 1722.8 1742.6 1762.3	2.609 2.587 2.547 2.516 2.485 2.450 2.405 2.385 2.365 2.348	2.497 2.474 2.433 2.400 2.368 2.332 2.286 2.264 2.243 2.225	34.581 34.583 34.585 34.588 34.590 34.593 34.596 34.597 34.599 34.600	27.595 27.599 27.604 27.609 27.613 27.618 27.625 27.627 27.631 27.633	34.970 35.065 35.162 35.259 35.355 35.452 35.551 35.645 35.740 35.834	27.586 27.589 27.594 27.599 27.603 27.608 27.615 27.617 27.621 27.623	58.5 58.6 57.6 57.2 56.8 55.4 55.4 55.1 54.9	19.675 19.792 19.907 20.022 20.136 20.249 20.361 20.472 20.582 20.692	90.3 90.3 90.3 90.3 90.3 90.3 90.3	1486.7 1486.9 1487.1 1487.3 1487.5 1487.7 1487.8 1488.1 1488.3 1488.6	20593.2 20982.4 21373.8 21767.5 22163.3 22561.4 22961.7 23364.1 23768.6 24175.3	1.7 2.6 3.8 2.3 7.0 7.3 6.1 1.5
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1782.0 1801.7 1821.4 1841.1 1860.8 1880.5 1900.2 1919.8 1939.5 1959.2	2.324 2.299 2.292 2.261 2.242 2.219 2.196 2.164 2.154 2.127	2.200 2.173 2.165 2.132 2.112 2.088 2.063 2.030 2.018 1.990	34.603 34.605 34.605 34.609 34.610 34.612 34.614 34.617 34.618 34.620	27.638 27.641 27.642 27.648 27.651 27.654 27.657 27.662 27.664 27.668	35.929 36.025 36.117 36.214 36.308 36.402 36.498 36.594 36.686 36.782	27.627 27.631 27.632 27.637 27.640 27.643 27.647 27.652 27.653 27.657	54.5 54.1 53.6 53.3 53.0 52.2 52.1 51.7	20.802 20.910 21.019 21.127 21.233 21.340 21.446 21.551 21.655 21.759	90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3	1488.8 1489.1 1489.4 1489.6 1489.8 1490.1 1490.3 1490.5 1490.8 1491.0	24584.1 24995.0 25408.0 25823.2 26240.3 26659.6 27080.9 27504.2 27929.5 28356.9	2.7 4.5 5.4 1.6 2.5 3.1 2.5 5.2
2000.0 2050.0 2100.0 2150.0 2200.0 2350.0 2350.0 2400.0 2450.0	1978.9 2028.1 2077.3 2126.5 2175.7 2224.8 2274.0 2323.1 2372.2 2421.3	2.111 2.069 2.030 1.989 1.942 1.911 1.879 1.848 1.828	1.972 1.927 1.885 1.839 1.789 1.755 1.718 1.683 1.659	34.622 34.627 34.631 34.634 34.639 34.642 34.645 34.645 34.650 34.652	27.671 27.678 27.685 27.691 27.699 27.704 27.709 27.714 27.718 27.722	36.876 37.110 37.344 37.577 37.812 38.043 38.274 38.505 38.734 38.962	27.660 27.667 27.674 27.679 27.687 27.687 27.697 27.702 27.705 27.708	51.4 50.8 50.2 49.6 48.9 48.5 48.0 47.6 47.4	21.862 22.117 22.370 22.619 22.865 23.109 23.350 23.589 23.827 24.063	90.3 90.2 90.3 90.2 90.2 90.3 90.3 90.3	1491.3 1491.9 1492.6 1493.3 1493.9 1494.6 1495.3 1496.0 1496.8 1497.5	28786.2 29868.3 30962.5 32068.9 33187.1 34317.1 35458.8 36612.0 37776.7 38952.7	4.0 .8 2.6 1.2 .6 -1.1 -1.9 6.3 2.9
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2850.0 2900.0 2950.0	2470.4 2519.5 2568.6 2617.7 2666.7 2715.8 2764.8 2813.8 2862.9 2911.9	1.784 1.757 1.730 1.705 1.677 1.654 1.637 1.627 1.619	1.608 1.576 1.545 1.516 1.484 1.457 1.436 1.422 1.409	34.654 34.658 34.659 34.662 34.664 34.666 34.668 34.669 34.670 34.671	27.725 27.730 27.734 27.738 27.742 27.745 27.746 27.750 27.752 27.754	39.190 39.420 39.649 39.877 40.106 40.333 40.559 40.784 41.008 41.232	27.711 27.716 27.720 27.724 27.728 27.731 27.733 27.735 27.737 27.739	46.9 46.1 45.8 45.4 45.2 45.0 44.8 44.8	24.298 24.531 24.763 24.993 25.221 25.447 25.672 25.897 26.121 26.345	90.3 90.2 90.3 90.2 90.3 90.2 90.2 90.2	1498.3 1499.0 1499.8 1500.5 1501.2 1502.0 1502.8 1503.6 1504.4 1505.1	40140.0 41338.6 42548.3 43769.0 45000.6 46243.1 47496.5 48760.5 50035.3 51320.7	1.2 .1 1.0 .2 .2 .3 1.5
3000.0 3050.0 3100.0 3118.0	2960.9 3009.8 3058.8 3076.4	1.593 1.577 1.566 1.563	1.374 1.354 1.337 1.333	34.673 34.675 34.676 34.676	27.757 27.760 27.762 27.762	41.457 41.682 41.905 41.985	27.741 27.743 27.745 27.745	44.4	26.568 26.791 27.012 27.092	90.2 90.2 90.2 90.2	1506.0 1506.7 1507.5 1507.8	52616.8 53923.5 55240.8 55717.7	1.4 6 .0

Station	51	Latitude	31. 32	.20'N	Longit	tude 127°	41.25'W	2	8 Aug 198	9 GMT 0	2:35	Bottom	4100 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-1 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	10.0 19.9 29.9 39.9 49.9 59.8 69.8 79.8 89.7	19.199 19.210 19.150 19.145 19.132 18.740 18.413 17.474 16.260 15.785	19.199 19.208 19.146 19.140 19.125 18.732 18.403 17.462 16.247 15.771	33.469 33.468 33.468 33.467 33.473 33.479 33.485 33.509	23.802 23.800 23.815 23.817 23.819 23.923 24.239 24.239 24.527 24.653	23.802 23.843 23.902 23.947 23.993 24.141 24.271 24.878 25.049	23.802 23.799 23.814 23.815 23.818 23.921 24.007 24.236 24.524 24.650	408.9 409.5 408.4 408.6 408.7 399.1 391.2 369.6 349.6 330.6	.000 .409 .818 1.227 1.635 2.040 2.436 2.817 3.165 3.500	89.8 89.8 89.8 89.7 89.7 89.7	1518.1 1518.3 1518.3 1518.6 1517.6 1514.3 1510.8	2.0 8.2 18.4 32.6 50.9 73.3 99.5 129.3 162.5	13.4 4.9 1.1 13.6 91.3 148.9 443.3 126.3 99.6
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.4 179.3 189.2	15.124 14.450 14.718 14.029 14.047 13.176 12.478 11.894 11.271 10.742	15.109 14.434 14.700 14.010 14.027 13.156 12.457 11.873 11.248 10.720	33.489 33.430 33.650 33.628 33.734 33.681 33.650 33.642 33.650	24.784 24.884 24.997 25.125 25.204 25.340 25.4559 25.659 25.775	25.225 25.370 25.527 25.701 25.824 26.007 26.167 26.319 26.465 26.628	24.781 24.881 24.993 25.121 25.200 25.336 25.450 25.555 25.654 25.771	318.3 309.6 298.6 286.6 279.4 266.5 255.8 245.8 236.5 225.4	3.825 4.140 4.444 4.737 5.019 5.294 5.556 6.047 6.279	90.0 90.0 90.3 90.3 90.5 90.7 90.6 90.7	1507.6 1505.5 1506.8 1504.7 1505.0 1502.3 1500.0 1498.2 1496.1	199.0 238.6 281.4 327.1 375.6 427.0 481.0 537.5 596.4 657.7	105.3 109.0 105.9 122.8 67.4 179.4 73.6 102.8 79.2 179.9
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.1 229.0 238.9 248.9 258.8 268.8 278.7 288.6	10.272 9.862 9.666 9.332 8.999 8.742 8.609 8.406 8.151	10.248 9.838 9.641 9.307 8.973 8.896 8.714 8.580 8.377 8.122	33.676 33.710 33.768 33.845 33.891 33.997 33.956 33.974 33.987 33.987	25.876 25.972 26.050 26.165 26.260 26.346 26.346 26.422 26.425	26.776 26.919 27.043 27.205 27.346 27.418 27.524 27.604 27.692 27.781	25.872 25.969 26.046 26.161 26.256 26.283 26.342 26.376 26.418 26.460	215.8 206.8 199.5 188.7 179.8 177.4 171.9 168.7 164.8 160.9	6.500 6.711 6.916 7.109 7.294 7.472 7.647 7.817 7.983 8.146	90.8 90.8 90.8 90.7 90.9 90.8 90.7 90.7	1492.9 1491.6 1491.2 1490.2 1489.2 1489.1 1488.6 1488.3 1487.7 1486.9	721.3 787.0 854.7 924.4 996.0 1069.4 1144.5 1221.3 1299.8 1379.9	117.4 22.8 131.4 73.9 60.7 36.7 48.1 65.3 50.9 22.2
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.4 338.3 348.2 358.1 368.1 378.0 387.9	8.009 7.768 7.707 7.517 7.299 7.163 6.952 6.809 6.644 6.455	7.979 7.738 7.675 7.485 7.266 7.130 6.918 6.775 6.609 6.420	33.995 33.998 34.002 33.998 34.002 34.002 34.003 33.998 34.000	26.488 26.527 26.534 26.565 26.593 26.643 26.664 26.682 26.709	27.851 27.936 27.990 28.067 28.143 28.211 28.287 28.354 28.419 28.493	26.483 26.522 26.530 26.560 26.589 26.610 26.639 26.659 26.677 26.705	158.7 155.1 154.5 151.6 149.0 147.0 144.2 142.4 140.7 138.1	8.306 8.462 8.617 8.770 8.920 9.068 9.213 9.357 9.498 9.637	90.7 90.7 90.7 90.7 90.6 90.6 90.6 90.6	1486.5 1485.8 1485.7 1485.1 1484.4 1484.1 1483.4 1483.0 1482.5 1481.9	1461.6 1544.9 1629.7 1716.0 1803.9 1893.2 1983.9 2076.1 2169.7 2264.7	35.6 26.5 53.2 47.9 27.9 28.2 19.4 22.0 39.8 21.6
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.8 407.8 417.7 427.6 437.5 447.5 457.4 467.3 477.2	6.314 6.195 6.090 6.052 5.953 5.909 5.813 5.719 5.630 5.602	6.279 6.159 6.053 6.015 5.916 5.870 5.774 5.680 5.590 5.561	34.000 34.002 34.009 34.013 34.021 34.029 34.037 34.048 34.055 34.060	26.727 26.744 26.763 26.771 26.790 26.802 26.820 26.840 26.857 26.864	28.558 28.622 28.688 28.742 28.808 28.866 28.930 28.997 29.061 29.114	26.722 26.740 26.759 26.766 26.785 26.798 26.815 26.835 26.835 26.852 26.860	136.4 134.8 133.0 132.4 130.6 129.6 128.0 126.1 124.5 123.9	9.774 9.910 10.044 10.177 10.308 10.438 10.567 10.694 10.819 10.944	90.6 90.6 90.5 90.5 90.5 90.5 90.5	1481.5 1481.2 1481.0 1481.0 1480.8 1480.8 1480.5 1480.3 1480.2 1480.2	2361.0 2458.7 2557.7 2658.0 2759.7 2862.6 2966.8 3072.3 3179.0 3286.9	18.7 26.5 9.3 18.6 22.4 16.0 11.6 14.8 23.6 25.6
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.1 507.0 516.9 526.8 536.7 546.7 556.6 566.5 576.4 586.3	5.518 5.487 5.488 5.424 5.319 5.166 5.122 4.960 4.910 4.897	5.476 5.445 5.445 5.380 5.275 5.121 5.077 4.914 4.864 4.851	34.068 34.080 34.096 34.112 34.120 34.111 34.125 34.136 34.144 34.151	26.881 26.894 26.906 26.927 26.946 26.973 27.000 27.012 27.019	29.177 29.236 29.294 29.362 29.427 29.486 29.548 29.624 29.682 29.735	26.876 26.889 26.901 26.922 26.941 26.951 26.968 26.995 27.007	122.4 121.3 120.2 118.3 116.5 115.4 113.9 111.3 110.2	11.067 11.189 11.309 11.429 11.546 11.662 11.776 11.889 12.000 12.110	90.5 90.4 90.4 90.4 90.5 90.4 90.5	1480.0 1480.1 1480.2 1480.0 1479.5 1479.5 1479.0 1479.0	3396.1 3506.5 3618.1 3730.8 3844.7 3959.8 4076.0 4191.8 4431.3	13.3 8.0 17.7 18.6 20.6 10.0 15.3 19.7 8.5 21.7
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.2 606.1 616.0 626.0 635.9 645.7 665.6 675.5 685.4	4.938 4.990 5.074 4.992 4.935 4.873 4.884 4.8850 4.786 4.731	4.890 4.941 5.024 4.941 4.884 4.821 4.832 4.797 4.732 4.677	34.174 34.195 34.227 34.235 34.242 34.246 34.264 34.271 34.281 34.285	27.033 27.044 27.059 27.076 27.087 27.098 27.111 27.120 27.136 27.145	29.794 29.850 29.909 29.972 30.031 30.088 30.146 30.202 30.264 30.320	27.028 27.038 27.054 27.070 27.081 27.092 27.105 27.114 27.130 27.139	108.5 107.7 106.5 104.9 103.9 101.8 101.0 99.5 98.7	12.219 12.327 12.434 12.540 12.644 12.748 12.850 12.952 13.052 13.151	90.4 90.4 90.4 90.4 90.4 90.4 90.4	1479.5 1479.9 1480.4 1480.2 1480.2 1480.1 1480.3 1480.3 1480.2	4551.9 4673.5 4796.3 4920.0 5044.8 5170.7 5297.5 5425.3 55554.2 5684.0	10.6 11.5 11.6 13.9 -1.9 8.3 14.5 18.3 15.9
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0	695.3 705.2 715.1 725.0 735.0 734.9 754.8 764.7 774.6 784.5	4.714 4.734 4.708 4.689 4.634 4.618 4.615 4.585 4.507 4.469	4.659 4.678 4.651 4.632 4.576 4.559 4.555 4.555 4.446 4.408	34.300 34.314 34.325 34.332 34.344 34.347 34.349 34.358 34.362 34.367	27.159 27.168 27.180 27.187 27.203 27.208 27.209 27.219 27.232 27.240	30.380 30.434 30.492 30.545 30.667 30.658 30.705 30.762 30.821 30.876	27.153 27.162 27.173 27.180 27.196 27.201 27.202 27.213 27.225 27.233	97.5 96.7 95.7 95.1 93.7 93.2 92.3 91.1 90.4	13.249 13.346 13.443 13.538 13.632 13.726 13.819 13.911 14.003 14.094	90.4 90.4 90.4 90.5 90.5 90.4 90.4	1480.3 1480.6 1480.7 1480.8 1480.7 1480.8 1481.0 1481.0 1480.9 1480.9	5814.8 5946.5 6079.2 6212.8 6347.4 6482.9 6619.3 6756.6 6894.8 7034.0	19.2 7.2 11.0 4.3 11.0 3.1 17.2 4.6 15.7 5.1
800.0 810.0 830.0 840.0 850.0 860.0 860.0 880.0	794.4 804.3 814.2 824.1 834.0 843.9 853.8 863.7 873.6 883.5	4.442 4.415 4.363 4.325 4.292 4.266 4.245 4.220 4.204 4.191	4.380 4.352 4.299 4.261 4.227 4.201 4.179 4.153 4.137 4.123	34.369 34.374 34.386 34.389 34.400 34.404 34.408 34.415 34.421 34.421	27.244 27.251 27.266 27.273 27.285 27.296 27.296 27.304 27.311	30.926 30.979 31.041 31.095 31.153 31.205 31.256 31.310 31.363 31.412	27.237 27.244 27.260 27.267 27.279 27.285 27.289 27.289 27.304 27.307	90.1 89.5 88.0 87.4 86.3 85.8 85.4 84.6 84.1	14.184 14.274 14.363 14.450 14.537 14.623 14.709 14.794 14.878 14.962	90.4 90.5 90.4 90.4 90.4 90.4 90.4	1480.9 1481.0 1481.0 1481.0 1481.1 1481.2 1481.2 1481.2 1481.3	7174.0 7314.9 7456.6 7599.3 7742.7 7887.1 8032.3 8178.3 8325.1 8472.8	7.5 1.6 4.9 11.3 14.5 5.8 10.7 1.4 17.5
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.4 903.3 913.2 923.0 933.0 942.8 952.7 962.6 972.5 982.4	4.152 4.110 4.089 4.075 4.054 4.004 3.961 3.953 3.889 3.877	4.083 4.041 4.019 4.005 3.983 3.983 3.888 3.880 3.816 3.803	34.430 34.439 34.441 34.444 34.449 34.453 34.458 34.458	27.324 27.333 27.338 27.341 27.346 27.355 27.363 27.363 27.374 27.375	31.469 31.524 31.574 31.624 31.674 31.730 31.785 31.889 31.889 31.936	27.317 27.326 27.330 27.334 27.338 27.347 27.355 27.355 27.355 27.367 27.368	82.9 82.1 81.8 81.5 81.1 80.2 79.5 79.6 78.4	15.045 15.128 15.210 15.291 15.373 15.453 15.533 15.613 15.692 15.770	90.4 90.4 90.4 90.3 90.4 90.4 90.4 90.3	1481.5 1481.5 1481.5 1481.7 1481.7 1481.7 1481.7 1481.8	8621.3 8770.6 8920.7 9071.6 9223.3 9375.8 9529.0 9683.1 9838.0 9993.6	3.1 8.4 2.6 7.5 18.1 10.8 16.6 1.1 7.0

Station	51	Latitude	31° 32.	20'N	Longitu	de 127°	41.25'W	28	Aug 1989	GMT 02	2:35	Bottom	4100 m
Pres.	Depth	Temp.	Pot.T.	Sal	Sigma-0	Sigma-z	Sigma-t	Delta	Dyn.Ht	LTR	sv	TF m ³ /s ²	n ²
db	m nnn	,c	°C	0/00	kg/m ³	kg/m ³	kg/m ³	10 ⁸ m ³ /kg	_	0/0	m/s		10 ⁶ /s ²
1000.0 1020.0	992.3 1012.1	3.870 3.788	3.795 3.713	34.459 34.470	27.377 27.394	31.983 32.094	27.369 27.386	78.3 76.7	15.849 16.004	90.4	1482.0 1482.0	10149.9	6.4 18.4
1040.0	1031.9 1051.6	3.714 3.700	3.638 3.622	34.477 34.479	27.407 27.410	32.200 32.295	27.400 27.403	75.4 75.3	16.156 16.307	90.4	1482.0 1482.3	10783.1 11104.1	2.0 5.2
1080.0 1100.0	1071.4 1091.2	3.639 3.610	3.559 3.529 3.432	34.488 34.492	27.424 27.429	32.401 32.498	27.416 27.421	74.1 73.6	16.456 16.604	90.3 90.4	1482.3 1482.6	11428.0 11754.8	4.9 8.5
1120.0 1140.0	1111.0 1130.7	3.514 3.508	3.424	34.500 34.501	27.445 27.447	32.608 32.701	27.437 27.439	72.0 72.1	16.749 16.893	90.4	1482.5 1482.8	12084.6 12417.1	-1.2 1.2
1160.0 1180.0	1150.5 1170.3	3.443 3.437	3.358 3.351	34.506 34.508	27.458 27.459	32.804 32.898	27.449 27.451	71.0 71.0	17.036 17.178	90.4	1482.9 1483.2	12752.4 13090.5	2.3 .6
1200.0	1190.0	3.380	3.293	34.513	27.469	33.000	27.461	70.1	17.319	90.4	1483.3	13431.4	1.8
1220.0 1240.0	1209.8 1229.6	3.330 3.289	3.242 3.199	34.519 34.525 34.525	27.479 27.487	33.102 33.203 33.300	27.470 27.479	69.2 68.4	17.458 17.596	90.4	1483.4 1483.6	13775.0 14121.4	2.7
1260.0 1280.0	1249.3 1269.1	3.246 3.175	3.155 3.084	34.525 34.531	27.492 27.503	33.300 33.404	27.483 27.494	68.0 66.9	17.732 17.867	90.4	1483.7 1483.7	14470.3 14822.0	3.0 1.2
1300.0 1320.0	1288.8 1308.6	3.108 3.097	3.016 3.003	34.537 34.537	27.514 27.515	33.508 33.601	27.505 27.507	65.8 65.8	18.000 18.131	90.4	1483.8 1484.1	15176.2 15533.0	4.1
1340.0 1360.0	1328.3 1348.1	3.049 3.031	2.953 2.934	34.542 34.544	27.524 27.527	33.702 33.797	27.515 27.518	65.0 64.8	18.262 18.392	90.3	1484.2 1484.5	15892.4 16254.3	6.8
1380.0	1367.8	2.996	2.898	34.547	27.533	33.895	27.524	64.3	18.521	90.4	1484.7	16618.7	3.6
1400.0 1420.0	1387.6 1407.3	2.959 2.924	2.860 2.824	34.551 34.554	27.540 27.545	33.994 34.091	27.531 27.536	63.6 63.1	18.649 18.775	90.4	1484.8 1485.0	16985.6 17355.0	7.4
1440.0 1460.0	1427.0 1446.8	2.882 2.829	2.781	34.557 34.561	27.551 27.559	34.190 34.291	27.542 27.550	62.6 61.7	18.901 19.025	90.4	1485.2 1485.3	17726.9 18101.2	7.2
1480.0 1500.0	1466.5 1486.2	2.802	2.698 2.664	34.564 34.568	27.564 27.570	34.387	27.555 27.561	61.4 60.8	19.149 19.271	90.4	1485.5 1485.7	18477.9 18857.0	2.5
1520.0 1540.0	1506.0 1525.7	2.726 2.704	2.619 2.596	34.571 34.574	27.577 27.581	34.584 34.680	27.568 27.572	60.1 59.8	19.392 19.511	90.5 90.4	1485.9 1486.1	19238.4 19622.2	5.1 5.2
1560.0 1580.0	1545.4 1565.2	2.674 2.645	2.565 2.535	34.577 34.578	27.586 27.590	34.777 34.872	27.576 27.580	59.3 59.0	19.630 19.749	90.4	1486.3 1486.5	20008.2	2.8
1600.0	1584.9	2.611	2.499	34.580	27.594	34.969	27.585	58.6	19.866	90.4	1486.7	20787.3	1.4
1620.0 1640.0	1604.6 1624.3	2.585 2.551	2.472 2.437	34.583 34.585	27.599 27.604	35.065 35.162	27.589 27.594	58.2 57.7	19.983 20.099	90.3 90.3	1486.9 1487.1	21180.3 21575.5	2.0 4.1
1660.0 1680.0	1644.0 1663.8	2.522 2.480	2.406	34.588 34.591	27.608 27.615	35.258 35.357	27.598 27.605	57.3 56.6	20.214 20.328	90.4 90.4	1487.3 1487.5	21972.9 22372.6	1.7
1700.0 1720.0	1683.5 1703.2	2.439 2.429	2.321	34.595 34.595	27.621 27.622	35.456 35.548	27.612 27.612	55.9 56.0	20.440 20.552	90.3	1487.6	22774.4 23178.5	6.1
1740.0 1760.0	1722.9 1742.6	2.392	2.271	34.598 34.600	27.628 27.632	35.646 35.741	27.618 27.622	55.3 55.0	20.663	90.3	1488.1 1488.3	23584.6 23993.0	2.9
1780.0	1762.3	2.362 2.342	2.241 2.219	34.602	27.635	35.836	27,625	54.7	20.883	90.3	1488.6	24403.4	2.7
1800.0 1820.0	1782.0 1801.7	2.311	2.187 2.160	34.604 34.606	27.640	35.932 36.028	27.629 27.633	54.2 53.9	20.992 21.100	90.3 90.3	1488.8 1489.0	24816.0 25230.7	3.9 3.6
1840.0 1860.0	1821.4 1841.1	2.257 2.231	2.130 2.103	34.609 34.610	27.648 27.651	36.124 36.219	27.63B 27.641	53.5 53.1	21.207	90.4	1489.2 1489.4	25647.4 26066.2	2.7 1.3
1880.0 1900.0	1860.8 1880.5	2.211 2.193	2.081 2.061	34.612 34.613	27.654 27.657	36.313 36.407	27.644 27.647	52.8 52.6	21.420 21.525	90.3	1489.7 1489.9	26487.1 26910.0	2.4
1920.0 1940.0	1900.2 1919.9	2.169 2.155	2.036	34.616 34.618	27.661 27.664	36.502 36.596	27.650 27.653	52.2 52.0	21.630 21.735	90.3	1490.2 1490.5	27334.9 27761.9	1.3
1960.0 1980.0	1939.6 1959.3	2.145 2.132	2.009 1.995	34.618 34.620	27.665 27.668	36.688 36.781	27.654 27.657	51.9 51.7	21.838 21.942	90.4	1490.7 1491.0	28190.8 28621.8	-1.3
2000.0	1978.9	2.114	1.975	34.622	27.671	36.876	27.660	51.4	22.045	90.3	1491.3	29054.8	2.0
2050.0	2028.2	2.068 2.029	1.926 1.883	34.627 34.631	27.679 27.685	37.111 37.344	27.667 27.674	50.7 50.2	22.300 22.552	90.3	1491.9 1492.6	30145.8 31249.1	4 .9
2150.0 2200.0	2126.5 2175.7	1.994 1.955	1.845 1.802	34.635 34.639	27.691 27.698	37.577 37.810	27.679 27.686	49.7	22.802 23.048	90.3 90.3	1493.3 1494.0	32364.4 33491.7	. 6
2250.0 2300.0	2224.9 2274.0	1.926 1.902	1.769 1.741	34.641 34.644 34.647	27.702 27.706	38.041 38.270	27.690 27.694	48.7 48.4	23.293 23.536	90.3	1494.7 1495.4	34630.7 35781.5	2.1
2350.0 2400.0	2323.1 2372.3	1.876 1.848	1.712 1.680	34.647 34.649	27.711 27.715	38.500 38.730	27.698 27.702	48.1 47.7	23.777 24.017	90.3	1496.2 1496.9	36943.9 38117.9	1.1
2450.0	2421.4	1.816	1.643	34.653	27.721	38.961	27.708	47.2	24.254	90.3	1497.6	39303.3	3.5
2500.0 2550.0	2470.5 2519.6	1.797	1.620	34.654 34.657	27.724 27.728	39.188 39.418	27.710 27.715 27.718	47.1 46.7	24.490 24.725 24.958	90.3	1498.4 1499.1	40500.0 41708.0	2.1
2600.0 2650.0	2568.7 2617.7	1.752 1.726	1.567 1.537 1.510	34.659 34.661	27.728 27.731 27.735 27.739 27.742	39.645 39.873 40.101	27.718 27.721 27.725	46.5	25.189	90.3	1499.9 1500.6	42927.3 44157.6	2.2
2700.0 2750.0	2666.8 2715.8	1.703	1.488	34.663 34.665	27.739	40.327	27.727	45.9 45.7	25.419 25.648	90.2 90.3	1501.3 1502.1	45398.9 46651.3	2.3
2800.0 2850.0	2764.9 2813.9	1.664 1.644	1.462 1.438	34.666 34.668	27.748	40.553	27.730 27.733	45.5 45.2	25.876 26.103	90.2	1502.9 1503.6	47914.5 49188.6	1.7
2900.0 2950.0	2862.9 2911.9	1.625 1.613	1.414	34.670 34.671	27.751 27.754	41.007	27.736 27.738	44.9	26.327 26.552	90.2	1504.4 1505.2	50473.5 51769.1	2
3000.0	2960.9	1.596	1.377	34.673		41.456	27.740	44.7	26.776	90.2	1506.0	53075.3	.7
3100.0	3058.8	1.568	1.340	34.675	27.761	41.905	27.745	44.4	27.220	90.3	1507.6	55719.7	3
2900.0 2950.0 3000.0 3050.0	2862.9 2911.9 2960.9 3009.9	1.625 1.613 1.596 1.579	1.414 1.398 1.377 1.356	34.670 34.671 34.673 34.674	27.751 27.754 27.756 27.759	41.007 41.231 41.456 41.681	27.736 27.738 27.740 27.743	44.9 44.8 44.7 44.4	26.327 26.552 26.776 26.998	90.2 90.2 90.2 90.3	1504.4 1505.2 1506.0 1506.7	50473.5 51769.1 53075.3 54392.2	2 1.0 .7 1.1

Station	52	Latitude	31. 45.	25'N	Longit	ude 127°	33.43'W	28	Aug 1989	GMT 0	5:45	Bottom	4300 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0	10.0 19.9 29.9 39.9 49.8 59.8 69.8 79.8 89.7	19.075 19.080 19.069 19.054 19.054 18.779 17.724 16.022 15.581 15.178	19.075 19.079 19.065 19.047 19.047 18.770 17.714 16.011 15.569 15.164	33.472 33.466 33.466 33.464 33.464 33.494 33.451 33.450 33.505	23.836 23.833 23.836 23.837 23.837 24.189 24.555 24.661 24.785	23.836 23.878 23.920 23.966 24.011 24.109 24.451 24.862 25.013 25.181	23.836 23.834 23.833 23.835 23.889 24.187 24.658 24.782	405.7 406.2 406.6 406.8 407.0 402.2 374.1 339.4 329.6 318.0	.000 .406 .812 1.219 1.626 2.032 2.420 2.775 3.109 3.433	90.0 90.0 90.0 89.9 89.8 89.8 89.8	1517.8 1517.9 1518.1 1518.2 1518.3 1517.7 1514.9 1509.8 1508.6 1507.6	.0 2.0 8.1 18.2 32.4 50.6 72.9 98.8 128.1 160.7	-4.2 1.4 -2.5 198.7 63.3 75.9 21.4 46.8
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	14.975 14.566 14.015 13.251 12.592 12.365 11.427 11.008 10.911 10.323	14.960 14.550 13.998 13.233 12.574 12.346 11.407 10.988 10.890 10.301	33.502 33.519 33.473 33.396 33.417 33.440 33.425 33.474 33.620 33.659	24.826 24.928 25.009 25.104 25.251 25.313 25.476 25.590 25.721 25.854	25.267 25.414 25.540 25.682 25.875 25.981 26.192 26.353 26.528 26.709	24.823 24.925 25.005 25.101 25.247 25.309 25.472 25.586 25.717 25.851	314.3 304.9 297.4 288.3 274.5 268.9 253.3 242.6 230.4 217.7	3.749 4.059 4.359 4.649 4.934 5.205 5.468 5.715 5.951 6.174	90.1 90.1 90.3 90.5 90.5 90.7 90.8 90.8	1507.1 1506.0 1504.3 1501.8 1499.8 1499.2 1496.1 1494.8 1494.8 1492.9	196.4 235.3 277.2 322.1 369.8 420.2 473.3 529.0 587.0 647.3	101.5 95.9 177.8 1.1 149.1 24.1 216.0 87.4 54.9 71.7
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.1 229.0 238.9 248.8 268.7 278.7 288.6	9.939 9.477 9.248 9.075 8.627 8.398 8.272 8.087 7.917	9.917 9.453 9.224 9.050 8.708 8.601 8.371 8.245 8.059 7.888	33.688 33.772 33.851 33.891 33.906 33.943 33.958 33.982 33.992 33.994	25.942 26.084 26.183 26.242 26.307 26.353 26.400 26.438 26.474 26.500	26.844 27.032 27.177 27.283 27.395 27.486 27.580 27.663 27.746 27.819	25.939 26.080 26.179 26.239 26.303 26.349 26.396 26.434 26.470 26.496	209.4 196.0 186.8 181.2 175.1 171.0 166.5 163.1 159.8 157.3	6.387 6.590 6.780 6.964 7.141 7.314 7.483 7.647 7.808 7.966	90.9 90.8 90.8 90.8 90.8 90.8 90.8 90.7	1491.7 1490.3 1489.7 1489.3 1488.2 1488.0 1487.3 1487.0 1486.5 1486.0	709.7 774.3 840.7 909.0 979.1 1050.9 1124.4 1199.6 1276.4 1354.7	185.0 109.9 9.8 105.8 44.2 60.6 55.9 39.5 35.3 22.7
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0	298.5 308.5 318.4 328.3 338.3 348.2 358.1 368.0 387.9	7.788 7.491 7.361 7.153 7.016 6.752 6.710 6.555 6.404 6.332	7.758 7.461 7.330 7.122 6.984 6.720 6.677 6.522 6.370 6.298	34.004 34.003 34.002 34.001 34.001 34.000 33.998 34.008 34.008	26.528 26.570 26.587 26.615 26.634 26.669 26.674 26.699 26.722 26.731	27.892 27.981 28.045 28.120 28.186 28.269 28.319 28.391 28.391 28.517	26.523 26.565 26.583 26.611 26.630 26.665 26.669 26.694 26.717 26.727	154.8 150.8 149.3 146.6 144.9 141.5 141.2 138.8 135.9	8.122 8.275 8.425 8.572 8.718 8.861 9.003 9.143 9.143 9.417	90.8 90.8 90.7 90.7 90.7 90.7 90.6 90.6	1485.7 1484.4 1483.7 1483.3 1482.5 1482.5 1482.5 1482.6 1481.6	1434.6 1516.0 1599.0 1683.3 1769.2 1856.5 1945.1 2035.2 2126.7 2219.5	67.2 15.3 19.4 11.8 30.2 4.4 2.6 46.5 34.2
400.0 410.0 420.0 430.0 440.0 450.0 470.0 480.0 490.0	397.8 407.7 417.7 427.6 437.5 447.4 457.4 467.3 477.2 487.1	6.184 6.142 5.984 5.957 5.932 5.800 5.733 5.703 5.561	6.149 6.106 5.948 5.921 5.895 5.762 5.694 5.572 5.572	34.015 34.029 34.029 34.028 34.034 34.043 34.056 34.053 34.067	26.756 26.763 26.792 26.795 26.798 26.819 26.835 26.849 26.857 26.875	28.588 28.642 28.718 28.767 28.883 28.946 29.006 29.125	26.751 26.759 26.788 26.791 26.794 26.814 26.830 26.844 26.852 26.870	133.6 133.0 130.2 130.0 129.9 127.9 126.5 125.2 124.5	9.552 9.685 9.818 9.948 10.078 10.206 10.333 10.459 10.584 10.708	90.6 90.6 90.6 90.5 90.5 90.5 90.5	1481.0 1481.0 1480.6 1480.6 1480.7 1480.3 1480.2 1480.1	2313.6 2409.1 2505.8 2603.9 2703.3 2803.9 2905.8 3008.9 3113.3 3218.9	6.0 11.9 21.2 4 24.2 31.5 4.5 8.9 19.4 12.7
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 507.0 516.9 526.8 536.7 546.6 556.5 566.5 576.4 586.3	5.552 5.492 5.326 5.226 5.154 5.092 4.993 4.896 4.896 4.908	5.511 5.449 5.283 5.183 5.110 5.048 4.949 4.921 4.850 4.861	34.077 34.088 34.094 34.098 34.106 34.112 34.123 34.123 34.143 34.163	26.884 26.900 26.924 26.939 26.954 26.966 26.986 26.999 27.013 27.028	29.180 29.242 29.314 29.376 29.437 29.563 29.563 29.622 29.683 29.743	26.879 26.895 26.919 26.934 26.949 26.981 26.981 26.994 27.008 27.022	122.1 120.7 118.3 116.9 115.6 114.4 112.5 111.4 110.1 108.9	10.830 10.951 11.071 11.189 11.305 11.420 11.533 11.645 11.756 11.866	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.6	1480.2 1480.1 1479.6 1479.4 1479.3 1479.2 1479.0 1479.0 1478.9 1479.2	3325.7 3433.8 3543.0 3653.4 3764.9 3877.6 3991.4 4106.3 4222.3 4339.4	-1.6 38.2 20.9 26.4 27.3 12.1 21.7 11.2 20.3 13.2
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0 690.0	596.2 606.1 616.0 625.9 635.8 645.7 655.6 675.5 685.4	4.761 4.789 4.781 4.807 4.736 4.871 4.794 4.710 4.709 4.688	4.714 4.741 4.732 4.757 4.686 4.820 4.742 4.657 4.656 4.634	34.170 34.183 34.195 34.209 34.221 34.261 34.270 34.275 34.306 34.324	27.050 27.057 27.067 27.076 27.094 27.110 27.125 27.139 27.165 27.181	29.813 29.866 29.922 29.975 30.040 30.100 30.162 30.223 30.294 30.356	27.044 27.052 27.062 27.070 27.088 27.104 27.120 27.133 27.158 27.174	106.7 106.2 105.3 104.7 103.0 101.8 100.3 99.0 96.7 95.3	11.973 12.080 12.186 12.290 12.394 12.497 12.598 12.697 12.794 12.890	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1478.7 1479.0 1479.2 1479.5 1479.3 1480.1 1480.0 1479.8 1480.0	4457.5 4576.7 4697.0 4818.3 4940.6 5064.0 5188.3 5313.6 5439.9 5567.1	16.7 12.4 15.3 2.1 12.1 6.0 27.4 34.7 11.2 2.2
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5 784.4	4.685 4.681 4.676 4.657 4.657 4.578 4.578 4.483 4.444 4.415	4.629 4.626 4.620 4.600 4.566 4.520 4.480 4.424 4.384 4.354	34.328 34.335 34.338 34.344 34.357 34.357 34.363 34.375 34.386 34.389	27.185 27.190 27.194 27.200 27.208 27.220 27.229 27.229 27.244 27.257 27.263	30.406 30.457 30.506 30.559 30.613 30.671 30.726 30.788 30.847 30.899	27.179 27.184 27.187 27.194 27.202 27.214 27.222 27.238 27.250 27.256	95.0 94.6 94.4 93.8 93.1 92.0 91.3 89.8 88.6 88.1	12.985 13.080 13.175 13.269 13.362 13.455 13.547 13.638 13.727 13.815	90.5 90.5 90.5 90.5 90.5 90.5 90.5	1480.3 1480.4 1480.6 1480.7 1480.7 1480.7 1480.7 1480.6 1480.6	5695.3 5824.4 5954.5 6085.4 6217.3 6350.1 6483.9 6618.5 6754.0 6890.3	5 10.7 1 9.2 5.1 1.3 16.9 29.7 7.8 4.6
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.350 4.335 4.304 4.280 4.269 4.267 4.243 4.218 4.169 4.136	4.289 4.272 4.241 4.216 4.205 4.202 4.177 4.152 4.102 4.069	34.391 34.401 34.403 34.409 34.416 34.420 34.424 34.429 34.429	27.272 27.278 27.284 27.289 27.295 27.301 27.306 27.312 27.321 27.321	30.955 31.008 31.060 31.112 31.163 31.214 31.266 31.318 31.373 31.425	27.265 27.271 27.278 27.283 27.288 27.294 27.299 27.305 27.314 27.320	87.3 86.8 86.2 85.8 85.3 84.4 84.0 83.1	13.903 13.990 14.076 14.162 14.248 14.333 14.418 14.502 14.586 14.668	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1480.6 1480.7 1480.7 1480.8 1480.9 1481.1 1481.2 1481.2 1481.2	7027.5 7165.6 7304.6 7304.6 7444.3 7585.0 7726.4 7868.7 8011.9 8155.8 8300.6	8.9 4.0 8.9 3.7 5.2 9.3 4.9 10.4 13.4
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.6 972.5 982.4	4.104 4.094 4.068 4.064 4.013 3.981 3.945 3.936 3.936 3.936	4.036 4.025 3.999 3.993 3.942 3.909 3.873 3.863 3.830 3.794	34.439 34.441 34.443 34.449 34.455 34.455 34.459 34.462 34.462	27.336 27.339 27.344 27.345 27.354 27.360 27.366 27.370 27.376 27.376	31.481 31.530 31.580 31.628 31.683 31.736 31.788 31.888 31.890 31.946	27.329 27.332 27.336 27.337 27.346 27.352 27.358 27.363 27.368 27.377	81.1	14.751 14.832 14.914 14.995 15.075 15.235 15.314 15.392 15.470	90.5 90.5 90.5 90.5 90.5 90.5 90.4 90.4	1481.3 1481.4 1481.5 1481.6 1481.6 1481.6 1481.7 1481.8	8446.1 8592.5 8739.7 8887.7 9036.4 9186.0 9336.3 9487.4 9639.3 9791.9	10.2 6.6 4.6 9.3 4.6 2.5 3.4 6.7

Station		Latitude			_	ide 127°			Aug 1989				4300 m
Pres db	. Depth	Temp.	Pot.T. °C	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht g J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0	1012.0 1031.8 1051.6 1071.4 1091.1 1110.9 1130.7 1150.4	3.836 3.789 3.718 3.676 3.618 3.595 3.535 3.436 3.392	3.762 3.714 3.641 3.598 3.539 3.514 3.453 3.407 3.352 3.306	34.470 34.475 34.483 34.487 34.492 34.506 34.511 34.513 34.519	27.389 27.398 27.412 27.419 27.429 27.434 27.448 27.456 27.463 27.472	31.997 32.098 32.204 32.304 32.406 32.504 32.610 32.711 32.811 32.912	27.382 27.390 27.404 27.411 27.421 27.426 27.440 27.448 27.456 27.464	77.1 76.3 75.1 74.5 73.5 73.1 71.9 71.1 70.4 69.7	15.548 15.701 15.852 16.002 16.150 16.296 16.441 16.584 16.726 16.866	90.4 90.4 90.4 90.4 90.4 90.4 90.5 90.4	1481.8 1482.0 1482.0 1482.2 1482.3 1482.5 1482.6 1482.7 1482.8 1483.0	9945.3 10254.4 10566.4 10881.4 11199.3 11520.1 11843.7 12170.2 12499.4 12831.3	5.2 14.3 1.7 5.5 3.2 3.5 6.4 4.1 7.9
1200.0 1220.0 1240.0 1260.0 1380.0 1320.0 1340.0 1360.0	1190.0 1209.7 1229.5 1249.3 1269.0 1288.8 1308.5 1328.3 1348.0 1367.8	3.345 3.298 3.243 3.189 3.160 3.118 3.064 3.031 2.992 2.953	3.258 3.210 3.154 3.099 3.068 3.026 2.970 2.936 2.896 2.855	34.524 34.528 34.531 34.538 34.540 34.547 34.547 34.550 34.550	27.481 27.489 27.497 27.507 27.511 27.518 27.526 27.531 27.535 27.542	33.013 33.113 33.214 33.317 33.413 33.512 33.613 33.710 33.807 33.905	27.473 27.481 27.488 27.498 27.503 27.509 27.517 27.522 27.527 27.533	68.8 68.1 67.4 66.5 66.1 65.7 64.3 63.9	17.004 17.141 17.277 17.411 17.543 17.675 17.805 17.934 18.062 18.189	90.4 90.5 90.4 90.4 90.4 90.4 90.4	1483.1 1483.3 1483.4 1483.5 1483.7 1483.9 1484.0 1484.1 1484.3 1484.5	13166.0 13503.4 13843.4 14186.1 14531.3 14879.2 15229.5 15582.4 15937.8 16295.7	2.6 4.1 5.0 3.8 6.2 3.6 2.7 2.7 2.7
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0	1407.2 1427.0 1446.7 1466.4 1486.2 1505.9 1525.6 1545.4	2.924 2.905 2.871 2.836 2.807 2.782 2.747 2.718 2.695 2.666	2.825 2.804 2.770 2.733 2.703 2.676 2.641 2.610 2.586 2.555	34.556 34.560 34.563 34.565 34.567 34.571 34.574 34.576 34.578	27.546 27.549 27.554 27.560 27.565 27.565 27.575 27.580 27.583 27.587	34.002 34.096 34.193 34.291 34.388 34.581 34.678 34.773 34.869	27.538 27.541 27.545 27.556 27.556 27.559 27.565 27.570 27.574 27.578	62.9 62.7 62.2 61.7 61.3 60.4 60.0 59.7 59.3	18.316 18.441 18.566 18.690 18.813 18.935 19.056 19.177 19.297	90.4 90.5 90.5 90.3 90.5 90.4 90.4	1484.7 1484.9 1485.1 1485.3 1485.5 1485.8 1485.9 1486.2 1486.4 1486.6	16656.1 17018.9 17384.1 17751.8 18121.8 18494.3 18869.1 19246.3 19625.7 20007.5	3.8 1.9 2.5 2.3 4.3 2.8 2.6
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0	1604.5 1624.3 1644.0 1663.7 1683.4 1703.1	2.630 2.608 2.566 2.535 2.507 2.497 2.450 2.440 2.433 2.408	2.518 2.494 2.451 2.419 2.390 2.378 2.330 2.318 2.310 2.283	34.581 34.585 34.585 34.590 34.590 34.595 34.595 34.596 34.597	27.593 27.596 27.603 27.607 27.611 27.613 27.620 27.621 27.623 27.626	34.967 35.061 35.160 35.257 35.352 35.445 35.545 35.637 35.729 35.824	27.583 27.586 27.593 27.597 27.601 27.610 27.610 27.611 27.612 27.616	58.8 58.5 57.8 57.4 57.0 57.0 56.2 56.2 56.1	19.534 19.651 19.767 19.882 19.997 20.111 20.225 20.337 20.449 20.561	90.4 90.4 90.4 90.4 90.4 90.3 90.4 90.4	1486.8 1487.0 1487.2 1487.4 1487.6 1487.9 1488.0 1488.3 1488.6 1488.9	20391.7 20778.0 21166.7 21557.6 21950.7 22346.0 22743.6 23143.3 23545.2 23949.3	4.6 2.0 .5 6 7.3 .0 8.5 1.6
1800.0 1820.0 1840.0 1860.0 1980.0 1920.0 1940.0 1960.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1919.8 1939.5 1959.2	2.376 2.348 2.311 2.298 2.270 2.241 2.222 2.198 2.183 2.168	2.251 2.221 2.183 2.169 2.140 2.109 2.089 2.063 2.046 2.030	34.600 34.605 34.606 34.608 34.610 34.611 34.614 34.616 34.617	27.631 27.636 27.640 27.642 27.646 27.650 27.653 27.658 27.660 27.662	35.920 36.017 36.114 36.206 36.302 36.398 36.492 36.588 36.681 36.774	27.621 27.625 27.630 27.632 27.635 27.640 27.642 27.647 27.649 27.652	55.3 54.9 54.4 54.3 53.9 53.5 52.8 52.6 52.4	20.672 20.782 20.892 21.000 21.108 21.216 21.322 21.428 21.534 21.638	90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4	1489.1 1489.3 1489.4 1489.7 1489.9 1490.2 1490.4 1490.6 1490.9 1491.2	24355.5 24763.9 25174.4 25587.0 26001.7 26418.5 26837.4 27258.3 27681.2 28106.2	8.0 1.6 1.6 3.7 1.1
2000.0 2050.0 2100.0 2150.0 2250.0 2350.0 2350.0 2400.0 2450.0	1978.9 2028.1 2077.3 2126.5 2175.6 2224.8 2273.9 2323.1 2372.2 2421.3	2.148 2.092 2.049 2.007 1.965 1.933 1.888 1.862 1.833	2.009 1.949 1.903 1.857 1.811 1.775 1.727 1.698 1.664 1.628	34.620 34.625 34.629 34.634 34.638 34.640 34.645 34.648 34.650 34.650	27.667 27.675 27.682 27.690 27.696 27.700 27.708 27.713 27.717 27.722	36.869 37.106 37.340 37.575 37.808 38.039 38.273 38.503 38.733 38.964	27.655 27.664 27.670 27.678 27.685 27.688 27.696 27.700 27.705 27.709	52.0 51.2 50.6 49.9 49.2 48.9 48.9 47.5 47.5	21.743 22.001 22.255 22.507 22.755 23.000 23.243 23.483 23.721 23.957	90.5 90.4 90.4 90.3 90.4 90.4 90.4 90.4	1491.4 1492.0 1492.7 1493.4 1494.0 1494.7 1495.4 1496.1 1496.8 1497.5	28533.2 29609.4 30698.0 31798.8 32911.5 34036.1 35172.5 36320.5 37479.9 38650.7	4.0 3.2 1.8 2 5 5 1.7
2500.0 2550.0 2600.0 2700.0 2700.0 2800.0 2850.0 2900.0	2470.4 2519.5 2568.6 2617.6 2666.7 2715.8 2764.8 2813.8 2862.8 2911.8	1.773 1.749 1.731 1.710 1.685 1.660 1.642 1.625 1.613	1.597 1.569 1.547 1.522 1.492 1.463 1.440 1.419 1.403 1.385	34.655 34.657 34.659 34.661 34.666 34.668 34.669 34.670 34.672	27.727 27.730 27.733 27.737 27.741 27.745 27.748 27.751 27.753 27.755	39.193 39.421 39.648 39.876 40.104 40.332 40.558 40.784 41.009 41.234	27.713 27.717 27.720 27.723 27.727 27.730 27.733 27.736 27.737 27.740	46.6 46.2 45.9 45.6 45.2 45.0 44.7 44.6	24.191 24.424 24.655 24.885 25.114 25.342 25.567 25.792 26.016 26.240	90.4 90.3 90.4 90.4 90.3 90.3 90.4 90.4	1498.3 1499.0 1499.8 1500.5 1501.3 1502.8 1503.5 1504.3 1505.1	39832.8 41026.1 42230.5 43445.9 44672.4 45909.7 47157.8 48416.7 49686.3 50966.6	1.2 .6 .4 1.0 .5 .2 1.7 -1.1
3000.0 3050.0 3100.0 3120.0	2960.8 3009.8 3058.8 3078.3	1.590 1.580 1.566 1.561	1.371 1.356 1.337 1.331	34.673 34.674 34.676 34.676	27.757 27.759 27.761 27.762	41.457 41.681 41.905 41.994	27.741 27.743 27.745 27.746	44.5 44.5 44.3 44.3	26.462 26.685 26.907 26.996	90.4 90.3 90.3 90.3	1505.9 1506.7 1507.5 1507.9	52257.5 53559.0 54871.2 55399.0	.4 .5 1

Station	53	Latitude	31° 59.	.19'N	Longit	ude 127°	24.95'W	28	8 Aug 1989	GMT 0	8:56	Bottom	4350 m
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	-	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.9 49.8 59.8 69.8 79.8	19.104 19.115 19.116 19.100 18.732 18.168 16.144 15.799 14.964	19.104 19.108 19.112 19.111 19.093 18.723 18.158 16.133 15.786 14.951	33.494 33.494 33.494 33.490 33.483 33.354 33.503 33.435	23.846 23.844 23.844 23.845 23.845 23.922 24.073 24.452 24.778	23.846 23.888 23.937 24.019 24.139 24.334 24.760 24.997 25.174	23.846 23.844 23.842 23.842 23.843 23.920 24.070 24.642 24.774	404.8 405.3 405.7 406.0 406.3 385.2 349.2 331.1 318.7	.000 .405 .811 1.216 1.623 2.028 2.421 2.787 3.124 3.450	89.9 89.9 89.8 89.8 89.8 89.8 90.0	1517.9 1518.0 1518.2 1518.4 1518.5 1517.6 1516.1 1510.1 1509.4 1506.8	.0 2.0 8.1 18.2 32.3 50.5 72.7 98.7 128.1 160.9	-2.3 5 -1.6 6.4 238.5 147.1 354.4 84.7 103.6
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.3 179.3 189.2	14.584 14.234 13.248 13.127 12.530 11.807 11.418 10.941 10.599 10.260	14.569 14.219 13.231 13.109 12.512 11.788 11.399 10.921 10.577 10.238	33.419 33.399 33.326 33.315 33.289 33.301 33.331 33.462 33.522 33.583	24.846 24.905 25.050 25.067 25.163 25.310 25.405 25.593 25.700 25.805	25.288 25.392 25.584 25.645 25.788 25.980 26.121 26.355 26.661	24.843 24.902 25.047 25.063 25.160 25.306 25.401 25.589 25.696 25.802	312.3 306.9 293.2 291.9 282.8 269.0 260.1 242.3 232.3 222.3	3.765 4.074 4.374 4.667 4.954 5.231 5.497 5.748 5.985 6.214	90.1 90.3 90.3 90.3 90.5 90.6 90.7 90.7	1505.7 1504.7 1501.6 1501.3 1499.4 1497.1 1495.9 1494.6 1493.6	196.8 235.9 277.9 322.9 370.8 421.5 474.9 530.8 589.2 649.9	33.8 2.1 33.3 56.4 94.9 63.8 154.2 131.6 29.3 79.3
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.1 229.0 238.9 248.8 268.7 278.7 288.6	9.895 9.545 9.260 9.208 9.032 8.948 8.677 8.370 8.151	9.873 9.522 9.236 9.183 9.007 8.921 8.650 8.342 8.123	33.651 33.710 33.807 33.856 33.905 33.971 33.967 33.969 33.967	25.920 26.024 26.147 26.194 26.260 26.325 26.364 26.413 26.445 26.482	26.822 26.972 27.141 27.233 27.346 27.456 27.542 27.638 27.716 27.800	25.916 26.021 26.143 26.190 26.256 26.321 26.360 26.409 26.441 26.478	211.5 201.7 190.2 185.9 179.8 173.7 170.1 165.5 162.6 159.1	6.433 6.639 6.835 7.024 7.206 7.383 7.555 7.723 7.887 8.048	90.8 90.8 90.8 90.7 90.8 90.7 90.7	1491.5 1490.5 1489.7 1489.3 1489.2 1488.4 1486.7 1486.5	712.8 777.7 844.7 913.6 984.3 1056.8 1131.0 1206.9 1284.4 1363.6	162.1 90.3 62.2 25.0 47.2 41.1 36.3 33.9 42.7 2.5
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.3 348.2 358.1 368.0 378.0	7.913 7.777 7.638 7.408 7.282 7.194 6.958 6.756 6.654 6.451	7.883 7.747 7.606 7.376 7.250 7.160 6.925 6.722 6.619 6.417	33.995 33.994 33.997 33.993 33.997 33.998 33.998 33.999 34.006	26.502 26.521 26.544 26.573 26.594 26.605 26.640 26.667 26.681 26.713	27.866 27.931 28.000 28.076 28.144 28.201 28.284 28.358 28.418 28.498	26.498 26.517 26.540 26.569 26.590 26.601 26.636 26.663 26.663 26.709	157.3 155.6 153.5 150.8 148.8 147.9 144.6 142.0 140.7 137.7	8.206 8.363 8.518 8.670 8.820 8.968 9.114 9.257 9.398 9.538	90.7 90.8 90.7 90.7 90.7 90.6 90.6 90.6	1486.2 1485.8 1485.4 1484.7 1484.4 1484.2 1483.4 1482.8 1482.6 1481.9	1444.3 1526.6 1610.4 1695.8 1782.6 1870.9 1960.7 2051.9 2144.5 2238.4	7 16.0 24.4 35.2 16.8 30.8 33.1 34.3 36.0
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.8 407.7 417.7 427.6 437.5 447.4 457.4 467.3 477.2 487.1	6.338 6.186 6.068 6.009 5.857 5.788 5.629 5.619 5.493 5.404	6.303 6.150 6.032 5.972 5.819 5.750 5.591 5.580 5.453 5.363	34.010 34.015 34.025 34.037 34.045 34.059 34.062 34.083 34.083	26.731 26.756 26.778 26.795 26.820 26.841 26.862 26.880 26.892 26.906	28.563 28.634 28.703 28.766 28.839 28.905 28.974 29.038 29.037 29.158	26.727 26.751 26.774 26.791 26.816 26.836 26.858 26.875 26.887 26.902	136.0 133.7 131.6 130.1 127.7 125.8 123.8 122.2 121.1 119.7	9.674 9.809 9.941 10.073 10.202 10.329 10.453 10.576 10.698 10.818	90.6 90.6 90.6 90.5 90.5 90.5 90.6 90.6	1481.6 1481.2 1480.9 1480.8 1480.3 1479.8 1480.0 1479.6 1479.6	2333.8 2430.5 2528.5 2627.8 2728.4 2830.2 2933.3 3037.6 3143.1 3249.9	28.6 5.8 6.6 23.0 25.3 31.8 26.8 11.1
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0	497.0 507.0 516.9 526.8 536.7 546.6 556.5 566.5 576.4 586.3	5.355 5.322 5.242 5.152 5.082 5.026 4.930 4.893 4.893 4.783	5.314 5.280 5.199 5.109 5.038 4.983 4.885 4.848 4.818 4.737	34.096 34.106 34.120 34.121 34.130 34.139 34.139 34.146 34.151 34.165	26.922 26.934 26.955 26.965 26.987 27.006 27.016 27.012 27.043	29.220 29.278 29.346 29.403 29.459 29.518 29.584 29.640 29.693 29.760	26.917 26.929 26.950 26.960 26.969 26.982 27.001 27.011 27.018 27.038	118.3 117.3 115.4 114.4 113.6 112.4 110.6 109.7 109.7	10.937 11.055 11.171 11.286 11.400 11.513 11.625 11.735 11.844 11.952	90.6 90.5 90.5 90.5 90.5 90.5 90.6 90.6	1479.4 1479.5 1479.3 1479.0 1478.9 1478.7 1478.8 1478.6	3357.8 3466.8 3577.0 3688.4 3800.9 3914.5 4029.2 4145.0 4261.9 4379.8	8.9 5.1 14.7 14.4 19.4 16.4 12.3 21.5
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.7 655.7 675.5 685.4	4.692 4.647 4.679 4.710 4.714 4.722 4.573 4.572 4.523 4.485	4.645 4.600 4.631 4.661 4.664 4.672 4.522 4.520 4.471 4.432	34.173 34.188 34.207 34.217 34.228 34.245 34.239 34.250 34.258 34.262	27.059 27.077 27.088 27.093 27.101 27.114 27.125 27.135 27.146 27.154	29.824 29.888 29.944 29.994 30.048 30.106 30.166 30.221 30.279 30.333	27.054 27.071 27.083 27.087 27.096 27.108 27.120 27.129 27.141 27.148	105.7 104.1 103.2 102.9 102.2 101.2 99.1 98.1 97.4	12.058 12.163 12.267 12.370 12.473 12.574 12.675 12.774 12.873 12.971	90.5 90.5 90.5 90.6 90.5 90.5 90.5 90.5	1478.4 1478.4 1478.8 1479.1 1479.3 1479.5 1479.0 1479.2 1479.2	4498.8 4618.9 4740.0 4862.0 4985.2 5109.3 5234.4 5360.4 55615.5	20.8 13.8 8.2 5.9 17.1 5.4 11.5 4.5
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5 784.4	4.449 4.569 4.403 4.374 4.349 4.327 4.279 4.271 4.256 4.210	4.395 4.514 4.348 4.318 4.293 4.270 4.221 4.212 4.196 4.151	34.272 34.300 34.296 34.308 34.317 34.324 34.328 34.338 34.348 34.351	27.166 27.176 27.190 27.202 27.212 27.220 27.229 27.237 27.247 27.254	30.391 30.444 30.507 30.566 30.622 30.677 30.731 30.786 30.841 30.895	27.160 27.169 27.184 27.196 27.206 27.214 27.222 27.231 27.241 27.248	96.4 95.8 94.3 93.1 92.3 91.5 90.8 90.1 89.2 88.6	13.068 13.164 13.259 13.353 13.445 13.537 13.628 13.719 13.808 13.897	90.5 90.4 90.5 90.5 90.6 90.5 90.4 90.6	1479.2 1479.9 1479.4 1479.4 1479.5 1479.6 1479.6 1479.8 1479.8	5744.5 5874.4 6005.3 6137.1 6269.8 6403.5 6538.0 6673.4 6809.7 6946.8	9.4 18.6 12.4 13.8 4.8 8.3 10.6 4.8 10.7 6.5
800.0 810.0 820.0 840.0 850.0 860.0 860.0 880.0 890.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.216 4.201 4.146 4.207 4.183 4.150 4.127 4.142 4.109 4.094	4.156 4.139 4.084 4.143 4.119 4.086 4.062 4.076 4.043 4.027	34.358 34.367 34.374 34.394 34.400 34.408 34.420 34.425 34.425	27.260 27.268 27.280 27.289 27.297 27.303 27.309 27.317 27.324 27.332	30.946 31.001 31.059 31.113 31.167 31.219 31.271 31.324 31.378 31.432	27.253 27.262 27.273 27.283 27.290 27.296 27.302 27.310 27.317 27.325	88.2 87.4 86.3 85.6 85.0 84.5 83.9 83.3 82.7	13.985 14.073 14.160 14.246 14.331 14.416 14.500 14.584 14.667 14.749	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1480.0 1480.1 1480.0 1480.5 1480.6 1480.7 1480.9 1480.9	7084.9 7223.8 7363.6 7504.2 7645.6 7787.9 7931.0 8074.9 8219.7 8365.2	2.8 13.3 7.1 6.0 8.4 11.9 1.3 8.4 1.9
900.0 910.0 920.0 930.0 950.0 950.0 960.0 960.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.6 972.5 982.3	4.077 4.041 4.011 4.003 3.945 3.945 3.923 3.859 3.859	4.010 3.973 3.942 3.933 3.898 3.874 3.851 3.815 3.786 3.764	34.438 34.440 34.446 34.454 34.454 34.459 34.461 34.465 34.467	27.338 27.344 27.351 27.355 27.362 27.369 27.372 27.380 27.384 27.389	31.484 31.536 31.590 31.639 31.746 31.795 31.849 31.900 31.951	27.331 27.337 27.344 27.347 27.355 27.365 27.365 27.372 27.377 27.382	81.5 81.0 80.3 80.1 79.3 78.5 77.8 77.4	14.831 14.912 14.993 15.073 15.153 15.232 15.310 15.389 15.466 15.543	90.4 90.5 90.4 90.4 90.4 90.4 90.4 90.4	1481.2 1481.2 1481.4 1481.4 1481.5 1481.5 1481.6 1481.6	8511.6 8658.8 8806.7 8955.5 9105.0 9255.3 9406.4 9558.2 9710.8 9864.2	7.2 3.1 5.5 11.0 6.1 6.6 3.4 6.7 5.5 7.5

Station	53	Latitude	31. 59.	19'ห	Longit	ude 127°	24.95'W	28	3 Aug 1989	GMT 0	8:56	Bottom	
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht g J/kg	LTR 0/0	SV m/s	TF m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0	992.2 1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.7 1150.4 1170.2	3.811 3.766 3.719 3.637 3.561 3.515 3.459 3.419 3.370	3.737 3.690 3.643 3.595 3.558 3.480 3.434 3.376 3.335 3.285	34.474 34.484 34.489 34.490 34.503 34.503 34.506 34.513 34.519	27.495 27.412 27.420 27.428 27.441 27.448 27.455 27.465 27.475	32.003 32.103 32.204 32.306 32.405 32.511 32.611 32.710 32.813 32.915	27.387 27.395 27.404 27.413 27.420 27.433 27.440 27.447 27.457 27.467	76.5 75.8 75.1 74.3 73.7 72.4 71.8 71.1 70.2 69.4	15.620 15.772 15.923 16.073 16.221 16.367 16.511 16.654 16.795 16.935	90.4 90.4 90.4 90.4 90.4 90.4 90.4	1481.7 1481.9 1482.0 1482.2 1482.3 1482.5 1482.6 1482.8 1482.8	10018.3 10328.8 10642.2 10958.6 11277.9 11600.1 11925.1 12252.9 12583.5 12916.8	8.1 3.2 4.6 4.1 6.4 5.5 6.1 2.9
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0 1380.0	1190.0 1209.7 1229.5 1249.2 1269.0 1288.7 1308.5 1328.2 1348.0 1367.7	3.340 3.279 3.266 3.217 3.174 3.127 3.090 3.030 2.989 2.946	3.253 3.191 3.177 3.127 3.082 3.034 2.996 2.935 2.892 2.849	34.522 34.527 34.528 34.533 34.539 34.540 34.543 34.546 34.550 34.554	27.480 27.490 27.492 27.500 27.509 27.515 27.521 27.529 27.536 27.543	33.012 33.115 33.208 33.309 33.410 33.509 33.607 33.708 33.807 33.906	27.472 27.481 27.483 27.492 27.501 27.506 27.513 27.520 27.527 27.534	69.0 67.9 67.1 66.3 65.2 64.5 63.8	17.073 17.211 17.347 17.482 17.615 17.747 17.878 18.008 18.136 18.264	90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4	1483.1 1483.5 1483.6 1483.7 1483.1 1484.1 1484.1 1484.3 1484.5	13252.8 13591.6 13932.9 14277.0 14623.6 14972.9 15324.7 15679.0 16035.9 16395.3	4.4 4.1 8.2 3.6 2.1 1.8 2.7
1400.0 1420.0 1440.0 1460.0 1500.0 1500.0 1540.0 1560.0 1580.0	1387.5 1407.2 1426.9 1446.7 1466.4 1505.9 1525.6 1545.3 1565.1	2.925 2.885 2.863 2.840 2.782 2.743 2.716 2.693 2.657	2.826 2.785 2.761 2.737 2.705 2.677 2.636 2.608 2.584 2.546	34.557 34.561 34.563 34.567 34.569 34.572 34.574 34.576 34.579	27.548 27.554 27.558 27.566 27.570 27.576 27.580 27.584 27.590	34.003 34.101 34.197 34.292 34.388 34.485 34.583 34.679 34.774 34.872	27.539 27.545 27.549 27.557 27.557 27.561 27.567 27.571 27.574 27.580	62.8 62.2 61.9 61.6 60.8 60.3 59.9 59.6	18.390 18.515 18.639 18.762 18.885 19.007 19.128 19.249 19.368 19.487	90.4 90.4 90.4 90.3 90.4 90.4 90.4	1484.7 1484.9 1485.1 1485.3 1485.8 1485.8 1486.1 1486.4 1486.6	16757.1 17121.3 17488.0 17857.1 18228.6 18602.4 18978.7 19378.1 20121.3	5.4 3.0 1.3 3.1 .4 2.8 1 3.1
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.5 1624.2 1643.9 1663.7 1683.4 1703.1 1722.8 1742.5 1762.2	2.628 2.601 2.572 2.542 2.513 2.491 2.471 2.435 2.402 2.378	2.516 2.488 2.457 2.426 2.395 2.372 2.351 2.314 2.279 2.255	34.581 34.584 34.586 34.587 34.590 34.592 34.594 34.601 34.602	27.593 27.598 27.602 27.606 27.611 27.615 27.618 27.624 27.629 27.633	34.967 35.063 35.159 35.255 35.351 35.542 35.639 35.737 35.832	27.584 27.588 27.592 27.596 27.601 27.605 27.608 27.614 27.619 27.622	58.7 58.3 57.9 57.5 57.1 56.5 55.9 55.4	19.605 19.722 19.838 19.954 20.069 20.183 20.296 20.408 20.520 20.630	90.4 90.3 90.3 90.4 90.4 90.4 90.4 90.4	1486.8 1487.0 1487.2 1487.4 1487.6 1487.9 1488.1 1488.3 1488.3	20506.9 20894.6 21284.7 21677.0 22071.5 22468.3 22867.2 23268.3 23671.6 24077.1	9 4.9 1.1 1.4 5 6.8 5.6
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1919.8 1939.5	2.350 2.323 2.306 2.282 2.247 2.228 2.198 2.176 2.167 2.149	2.225 2.197 2.178 2.152 2.117 2.096 2.065 2.042 2.031 2.012	34.604 34.607 34.609 34.610 34.614 34.616 34.618 34.620 34.620	27.636 27.641 27.644 27.653 27.656 27.660 27.663 27.665 27.668	35.927 36.023 36.117 36.212 36.310 36.404 36.500 36.595 36.687 36.780	27.626 27.630 27.633 27.637 27.642 27.645 27.650 27.653 27.654 27.657	54.7 54.3 54.1 53.7 53.1 52.9 52.4 52.1 52.0 51.8	20.740 20.849 20.957 21.065 21.172 21.278 21.383 21.488 21.592 21.696	90.3 90.4 90.4 90.4 90.4 90.4 90.4	1488.9 1489.2 1489.4 1489.7 1489.8 1490.1 1490.6 1490.8 1491.1	24484.7 24894.4 25306.1 25720.0 26136.0 26554.0 26974.0 27396.1 27820.2 28246.3	3.0 3.0 3.6 2.8 1.6
2000.0 2050.0 2100.0 2150.0 2200.0 2350.0 2350.0 2400.0 2450.0	1978.8 2028.1 2077.2 2126.4 2175.6 2224.8 2273.9 2323.0 2372.2 2421.3	2.126 2.086 2.042 2.004 1.967 1.921 1.885 1.849 1.829 1.801	1.987 1.944 1.896 1.854 1.814 1.764 1.724 1.685 1.661	34.624 34.628 34.632 34.635 34.639 34.642 34.646 34.649 34.650 34.650	27.672 27.678 27.685 27.691 27.697 27.703 27.709 27.715 27.718 27.722	36.876 37.109 37.343 37.576 37.809 38.042 38.274 38.506 38.734 38.964	27.661 27.667 27.673 27.679 27.685 27.691 27.697 27.702 27.705 27.709	51.4 50.9 50.3 49.8 49.2 48.6 48.1 47.4	21.799 22.055 22.308 22.557 22.805 23.050 23.292 23.530 23.768 24.004	90.4 90.3 90.3 90.3 90.5 90.4 90.3 90.3	1491.3 1492.0 1492.7 1493.3 1494.0 1494.7 1495.4 1496.1 1496.8 1497.5	28674.4 29753.3 30844.5 31947.7 33063.0 34190.0 35328.8 36479.1 37640.8 38813.9	1.4 .2 1.7 2.4 1.8 3.6 3.7 .8
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2900.0	2470.4 2519.5 2568.5 2617.6 2666.7 2715.7 2764.7 2813.8 2862.8 2911.8	1.780 1.767 1.745 1.719 1.694 1.677 1.658 1.648 1.633 1.619	1.603 1.587 1.561 1.530 1.501 1.480 1.457 1.442 1.423	34.655 34.657 34.659 34.662 34.665 34.665 34.667 34.667 34.667	27.725 27.728 27.732 27.737 27.740 27.743 27.745 27.747 27.749 27.752	39.191 39.418 39.646 39.875 40.103 40.329 40.555 40.779 41.004 41.229	27.712 27.715 27.718 27.723 27.726 27.728 27.731 27.732 27.734 27.737	46.8 46.7 46.4 46.0 45.5 45.4 45.2 45.2	24.238 24.472 24.705 24.935 25.165 25.393 25.620 25.847 26.073 26.299	90.4 90.3 90.3 90.3 90.3 90.3 90.4 90.2 90.3	1498.3 1499.1 1499.8 1500.6 1501.3 1502.1 1502.8 1503.6 1504.4 1505.2	39998.3 41193.9 42400.6 43618.5 44847.3 46087.1 47337.8 48599.3 48599.3 51154.7	1.2 1.9 2.2 1.1 1.1 .9 .3
3000.0 3050.0 3100.0 3150.0 3200.0 3250.0 3300.0 3350.0 3400.0 3450.0	2960.8 3009.7 3058.7 3107.7 3156.6 3205.5 3254.5 3303.4 3352.3 3401.2	1.605 1.597 1.586 1.582 1.573 1.572 1.548 1.541 1.537	1.386 1.373 1.358 1.349 1.335 1.329 1.301 1.289 1.279	34.671 34.673 34.674 34.674 34.676 34.679 34.679 34.681 34.681	27.755 27.757 27.758 27.760 27.762 27.763 27.767 27.768 27.770 27.771	41.454 41.677 41.901 42.122 42.345 42.566 42.792 43.014 43.235 43.456	27.739 27.740 27.742 27.743 27.744 27.745 27.749 27.750 27.751 27.752	44.8 44.7 44.8 44.7 44.8 44.4 44.4	26.523 26.747 26.971 27.195 27.419 27.642 27.865 28.087 28.309 28.531	90.3 90.3 90.3 90.3 90.2 90.3 90.3 90.3	1506.0 1506.8 1507.6 1508.5 1509.3 1510.1 1510.9 1511.7 1512.5 1513.4	52448.5 53753.0 55068.2 56394.1 57730.6 59077.8 60435.6 61804.0 63182.9 64572.3	7 1.7 .2 .6 8 5 1.3 .2 2.3
3500.0 3550.0 3600.0 3650.0 3700.0 3750.0 3800.0 3900.0 3950.0	3450.0 3498.9 3547.8 3596.6 3645.4 3694.3 3743.1 3791.9 3840.7 3889.5	1.527 1.522 1.517 1.512 1.510 1.509 1.509 1.511 1.512	1.260 1.250 1.240 1.230 1.222 1.217 1.210 1.206 1.202 1.197	34.683 34.684 34.685 34.685 34.686 34.687 34.687 34.688 34.689	27.773 27.774 27.775 27.777 27.778 27.779 27.779 27.781 27.782 27.782	43.677 43.897 44.117 44.337 44.556 44.775 44.993 45.211 45.429 45.646	27.754 27.755 27.756 27.757 27.758 27.758 27.758 27.758 27.759 27.760 27.760	44.4 44.4 44.4 44.5 44.5 44.7 44.8	28.753 28.975 29.197 29.419 29.641 29.863 30.086 30.309 30.533 30.757	90.3 90.2 90.2 90.3 90.2 90.2 90.2 90.2	1514.2 1515.0 1515.9 1516.7 1517.6 1518.4 1519.3 1520.1 1521.0 1521.9	65972.3 67382.8 68803.9 70235.5 71677.6 73130.2 74593.4 76067.1 77551.4 79046.3	2.1 1.0 5 4 2 6 0 8 -1.1
4000.0 4050.0 4100.0 4150.0 4200.0 4250.0 4350.0 4400.0 4440.0	3938.2 3987.0 4035.8 4084.5 4133.2 4131.9 4230.6 4279.3 4328.0 4367.0	1.513 1.516 1.519 1.523 1.524 1.527 1.532 1.534 1.538 1.541	1.193 1.191 1.189 1.186 1.182 1.179 1.178 1.175 1.173	34.690 34.690 34.690 34.691 34.691 34.691 34.692 34.692 34.692	27.783 27.783 27.784 27.785 27.785 27.785 27.785 27.786 27.786 27.786	45.863 46.079 46.295 46.511 46.727 46.943 47.157 47.373 47.587 47.758	27.760 27.760 27.760 27.760 27.760 27.760 27.760 27.760 27.760 27.760	45.0 45.2 45.4 45.5 45.6 45.8 46.0 46.1 46.3	30.982 31.207 31.434 31.661 31.889 32.118 32.347 32.578 32.809 32.995	90.3 90.3 90.2 90.2 90.2 90.2 90.2 90.2 90.2	1522.7 1523.6 1524.5 1525.4 1526.2 1527.1 1528.0 1528.9 1529.7 1530.5	80551.9 82068.0 83594.9 85132.5 86680.9 88240.0 89810.0 91390.8 92982.5 94263.8	7 -1.5 .0 .9 5 1.9 1 .2 -1.8

Station	54	Latitude	32. 12.	.13'N	Longit	ude 127°	17.09'W	28	Aug 1989	GMT 1	2:46	Bottom	
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-6 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	10 ⁸ m ³ /kç	•	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	.0 10.0 19.9 29.9 39.9 49.8 59.8 69.8 79.7	19.003 19.004 19.008 19.012 19.011 18.763 18.383 17.096 15.738 15.523	19.003 19.002 19.005 19.006 19.004 18.754 18.372 17.084 15.726 15.509	33.465 33.464 33.464 33.464 33.469 33.777 33.524 33.592	23.849 23.848 23.847 23.847 23.910 24.002 24.556 24.675 24.775	23.849 23.891 23.978 24.021 24.128 24.263 24.862 25.027	23.849 23.847 23.846 23.846 23.908 24.554 24.672 24.773	404.5 404.9 405.3 405.7 406.0 400.3 392.0 339.4 328.2 318.9	.000 .405 .810 1.215 1.621 2.024 2.421 2.782 3.117 3.439	90.0 99.9 89.9 89.9 90.0 89.8 89.9 90.0	1517.5 1517.7 1517.9 1518.1 1518.2 1517.7 1516.7 1513.5 1509.2 1508.8	.0 2.0 8.1 18.2 32.3 50.5 72.6 98.6 128.0 160.6	0 2 1.4 9 9 27.2 351.2 152.8 162.3 46.3
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	14.397 14.034 13.111 12.390 12.313 11.598 11.362 11.092 11.000 10.762	14.383 14.018 13.094 12.373 12.295 11.579 11.343 11.072 10.978 10.739	33.418 33.405 33.282 33.256 33.346 33.372 33.410 33.431 33.484 33.566	24.885 24.951 25.044 25.165 25.249 25.403 25.477 25.541 25.600 25.705	25.327 25.439 25.578 25.745 26.075 26.193 26.304 26.407 26.558	24.882 24.948 25.041 25.162 25.246 25.470 25.473 25.538 25.596 25.701	308.6 302.5 293.8 282.4 274.6 260.0 253.2 241.9 232.1	3.753 4.058 4.356 4.644 4.924 5.192 5.448 5.698 5.943 6.177	90.1 90.1 90.2 90.4 90.5 90.6 90.7 90.7 90.7	1505.1 1504.1 1501.0 1498.7 1498.7 1496.5 1495.8 1495.1 1495.0 1494.4	196.5 235.3 277.2 322.0 369.7 420.0 472.9 528.4 586.3 646.5	89.1 47.5 120.2 49.2 123.3 167.7 7.5 7.1 176.7 35.5
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.0 229.0 238.9 248.9 258.8 268.7 278.7 288.6	10.244 9.701 9.311 9.110 8.982 8.752 8.540 8.442 8.312	10.221 9.677 9.287 9.086 8.957 8.726 8.513 8.414 8.283 8.089	33.615 33.679 33.743 33.784 33.812 33.861 33.914 33.930 33.954 33.980	25.833 25.974 26.088 26.153 26.195 26.269 26.374 26.372 26.410 26.460	26.733 26.922 27.082 27.193 27.281 27.402 27.523 27.596 27.681 27.777	25.829 25.971 26.084 26.149 26.191 26.265 26.368 26.368 26.406 26.456	219.9 206.5 195.8 189.7 185.9 171.9 171.9 165.9 161.3	6.404 6.615 6.815 7.008 7.196 7.380 7.555 7.726 7.893 8.057	90.8 90.7 90.7 90.8 90.7 90.6 90.6 90.6	1492.8 1491.0 1489.8 1489.3 1489.0 1488.4 1487.6 1487.6 1487.3	709.1 773.8 840.6 909.3 979.9 1052.3 1126.5 1202.4 1280.0 1359.2	144.3 91.2 16.2 38.7 96.1 91.1 60.9 16.1 45.9 28.0
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.3 348.2 358.1 368.0 378.0 387.9	7.975 7.832 7.727 7.416 7.261 7.139 7.044 6.783 6.635 6.483	7.945 7.801 7.696 7.384 7.229 7.106 7.010 6.749 6.601 6.449	33.992 33.999 34.003 34.004 34.011 34.019 34.018 34.016 34.011	26.490 26.517 26.535 26.581 26.601 26.625 26.645 26.679 26.697 26.714	27.854 27.926 27.991 28.084 28.151 28.221 28.287 28.369 28.435 28.498	26.486 26.513 26.531 26.576 26.597 26.620 26.640 26.674 26.693 26.709	158.5 156.1 154.4 150.0 148.2 144.0 144.2 139.2 137.7	8.217 8.375 8.530 8.682 8.831 8.978 9.123 9.123 9.406 9.544	90.6 90.6 90.6 90.6 90.6 90.6 90.5 90.5	1486.4 1486.0 1485.8 1484.7 1484.3 1484.0 1483.8 1482.9 1482.5 1482.1	1440.0 1522.4 1606.4 1691.8 1778.8 1867.2 1957.0 2048.3 2141.0 2235.0	18.4 26.2 28.6 30.3 14.1 37.3 10.0 27.8 22.5 21.6
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.8 407.7 417.7 427.6 437.5 447.4 457.4 467.3 477.2 487.1	6.408 6.251 6.176 6.063 5.988 5.894 5.801 5.678 5.556	6.372 6.215 6.139 6.025 5.950 5.856 5.762 5.639 5.516 5.451	34.007 34.015 34.017 34.023 34.027 34.032 34.038 34.047 34.056 34.061	26.721 26.747 26.758 26.777 26.790 26.806 26.822 26.844 26.867 26.878	28.551 28.625 28.682 28.748 28.807 28.869 28.932 29.002 29.071 29.129	26.716 26.742 26.754 26.773 26.785 26.817 26.817 26.840 26.862 26.873	137.1 134.6 133.6 131.8 130.7 129.3 127.7 125.6 123.5 122.5	9.681 9.817 9.951 10.083 10.215 10.345 10.473 10.600 10.724 10.847	90.6 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1481.9 1481.5 1481.0 1480.9 1480.7 1480.5 1480.2 1480.2 1479.9	2330.4 2427.2 2525.3 2624.7 2725.4 2827.4 2930.7 3035.2 3141.0 3248.0	15.5 20.1 8.7 17.8 10.1 18.6 29.7 12.7 24.7 28.8
500.0 510.0 520.0 530.0 540.0 550.0 570.0 580.0 590.0	497.0 507.0 516.9 526.8 536.7 546.6 556.4 576.4 586.3	5.329 5.239 5.165 5.110 5.034 4.953 4.906 4.855 4.772 4.713	5.288 5.198 5.123 5.067 4.991 4.909 4.862 4.810 4.727 4.667	34.070 34.081 34.089 34.095 34.105 34.120 34.127 34.139 34.153 34.165	26.905 26.924 26.939 26.950 26.967 26.988 26.998 27.014 27.034 27.051	29.203 29.269 29.331 29.389 29.452 29.520 29.570 29.639 29.706 29.770	26.900 26.919 26.934 26.945 26.962 26.983 26.993 27.009 27.029	119.9 118.1 116.8 115.7 114.1 112.2 111.2 109.8 107.9 106.4	10.968 11.087 11.205 11.321 11.436 11.549 11.661 11.771 11.880 11.988	90.5 90.5 90.5 90.5 90.5 90.5 90.6 90.6	1479.3 1479.1 1479.0 1478.9 1478.6 1478.6 1478.6 1478.6 1478.4	3356.2 3465.5 3576.1 3687.8 3800.6 3914.6 4029.6 4145.8 4263.0 4381.3	21.5 13.5 10.6 24.9 22.9 10.0 11.2 15.3 13.5
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0 690.0	596.2 606.1 616.0 625.9 635.8 645.7 665.6 675.5 685.4	4.692 4.675 4.633 4.610 4.578 4.540 4.515 4.482 4.450 4.413	4.645 4.628 4.585 4.562 4.529 4.490 4.464 4.430 4.398 4.360	34.171 34.175 34.188 34.201 34.213 34.224 34.234 34.244 34.253 34.265	27.058 27.064 27.078 27.091 27.104 27.117 27.128 27.140 27.150 27.164	29.822 29.874 29.935 29.994 30.113 30.169 30.228 30.284 30.345	27.052 27.058 27.073 27.086 27.099 27.112 27.122 27.134 27.144 27.159	105.8 105.4 104.0 102.9 101.7 100.5 99.6 98.5 97.6 96.3	12.094 12.199 12.304 12.407 12.510 12.611 12.711 12.810 12.908 13.005	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1478.4 1478.5 1478.6 1478.7 1478.7 1478.8 1478.8 1478.9	4500.7 4621.1 4742.5 4865.0 4988.4 5112.9 5238.4 5364.8 5492.2 5620.6	7.3 10.6 8.2 9.1 15.6 9.4 12.3 10.3 13.8 16.2
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5	4.390 4.402 4.488 4.530 4.440 4.391 4.327 4.350 4.289 4.272	4.336 4.348 4.433 4.473 4.383 4.383 4.269 4.291 4.229 4.212	34.277 34.291 34.319 34.340 34.343 34.349 34.350 34.363 34.370 34.375	27.176 27.186 27.199 27.211 27.223 27.223 27.241 27.249 27.261 27.267	30.403 30.458 30.515 30.572 30.631 30.688 30.743 30.796 30.855 30.907	27.170 27.180 27.193 27.205 27.217 27.227 27.235 27.243 27.255 27.261	95.3 94.5 93.5 92.6 91.4 90.5 89.7 89.1 87.9	13.101 13.195 13.289 13.382 13.474 13.565 13.655 13.655 13.745 13.833 13.921	90.5 90.5 90.5 90.4 90.4 90.5 90.4 90.5	1479.0 1479.2 1479.8 1480.1 1479.9 1479.9 1479.8 1480.1 1480.0 1480.1	5749.9 5880.1 6011.3 6143.4 6276.4 6410.3 6545.1 6680.8 6817.3 6954.7	10.9 15.3 16.5 16.5 8.0 .7 10.4 5.7 3.1
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.291 4.269 4.273 4.200 4.151 4.130 4.125 4.099 4.047 4.022	4.230 4.207 4.211 4.137 4.088 4.066 4.060 4.033 3.981 3.955	34.387 34.395 34.399 34.404 34.406 34.416 34.426 34.428 34.438 34.438	27.274 27.283 27.286 27.298 27.304 27.315 27.323 27.331 27.341 27.348	30.960 31.014 31.062 31.122 31.175 31.231 31.285 31.339 31.396 31.449	27.268 27.277 27.279 27.291 27.298 27.308 27.316 27.324 27.334 27.334	86.1 86.0 84.9 84.2 83.3 82.6 82.0	14.008 14.094 14.181 14.266 14.351 14.434 14.517 14.600 14.681 14.762	90.4 90.4 90.4 90.5 90.5 90.4 90.4 90.4	1480.3 1480.4 1480.6 1480.5 1480.4 1480.7 1480.7 1480.7	7093.0 7232.1 7372.1 7512.9 7654.5 7797.0 7940.3 8084.3 8229.2 8374.9	15.4 3.1 6.3 5.4 3.1 4.8 8.1 13.9 12.8 1.9
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.5 972.4 982.3	3.984 3.948 3.915 3.986 3.886 3.849 3.827 3.790	3.917 3.880 3.846 3.848 3.816 3.797 3.778 3.755 3.718 3.681	34.445 34.448 34.455 34.458 34.460 34.465 34.465 34.465 34.465	27.353 27.359 27.363 27.368 27.374 27.377 27.383 27.385 27.389 27.396	31.501 31.553 31.604 31.655 31.707 31.756 31.808 31.856 31.907 31.960	27.346 27.352 27.356 27.361 27.367 27.370 27.376 27.378 27.378 27.382 27.389	79.3 79.0 78.6 78.1 77.8 77.3 77.2 76.8	14.842 14.921 15.001 15.079 15.158 15.236 15.313 15.391 15.467 15.544	90.4 90.4 90.4 90.4 90.4 90.5 90.4 90.4	1480.8 1480.8 1480.8 1481.0 1481.0 1481.1 1481.2 1481.3 1481.3	8521.4 8668.7 8816.7 8965.5 9115.1 9265.4 9416.5 9568.4 9721.0 9874.4	8.1 4.3 8.4 3.1 1.4 9.0 -1.0 6.1 6.1

Station	54	Latitude	32. 12.	13'N	Longitu	de 127°	17.09'W	28	Aug 1989	GMT 12	2:46	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	5V m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0 1120.0 1140.0 1160.0	992.2 1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.6 1150.4 1170.2	3.758 3.700 3.692 3.636 3.537 3.487 3.455 3.419 3.388	3.684 3.625 3.615 3.558 3.504 3.457 3.405 3.372 3.335 3.302	34.471 34.473 34.482 34.488 34.500 34.504 34.511 34.514 34.519	27.405 27.405 27.413 27.424 27.435 27.443 27.451 27.460 27.466 27.473	32.007 32.107 32.207 32.310 32.414 32.514 32.615 32.615 32.715 32.814 32.913	27.390 27.397 27.406 27.416 27.427 27.435 27.443 27.458 27.458 27.465	76.1 75.5 74.8 73.9 72.8 72.1 71.4 70.7 70.1 69.6	15.620 15.772 15.922 16.071 16.218 16.363 16.506 16.648 16.789 16.929	90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4	1481.5 1481.6 1481.9 1482.0 1482.1 1482.3 1482.4 1482.6 1482.8 1483.0	10028.5 10339.0 10652.4 10968.7 11288.0 11610.1 11935.0 12262.7 12593.1 12926.3	5.2 3.4 5.2 1.4 3.2 7.0 1.5 3.2
1200.0 1220.0 1240.0 1260.0 1380.0 1300.0 1340.0 1360.0 1380.0	1189.9 1209.7 1229.4 1249.2 1269.0 1288.7 1308.5 1328.2 1348.0 1367.7	3.345 3.305 3.273 3.232 3.177 3.114 3.083 3.054 3.019 2.975	3.258 3.217 3.184 3.141 3.085 3.021 2.989 2.959 2.922 2.877	34.524 34.527 34.529 34.532 34.538 34.540 34.543 34.547 34.549 34.553	27.481 27.487 27.492 27.508 27.516 27.521 27.527 27.532 27.540	33.013 33.112 33.208 33.307 33.409 33.511 33.607 33.705 33.803 33.902	27.472 27.479 27.484 27.500 27.508 27.513 27.518 27.524 27.531	68.9 677.3 66.4 65.2 64.2 64.2 63.6	17.067 17.205 17.341 17.476 17.610 17.742 17.873 18.003 18.132 18.260	90.4 90.3 90.4 90.4 90.4 90.4 90.4 90.4	1483.1 1483.3 1483.5 1483.7 1483.8 1484.0 1484.2 1484.4 1484.6	13262.2 13600.8 13942.1 14286.0 14632.6 14981.7 15333.4 15687.6 16044.4 16403.7	6.5 5.7 6.5 3.3 3.6 2.1
1400.0 1420.0 1440.0 1460.0 1500.0 1500.0 1540.0 1560.0 1580.0	1387.4 1407.2 1426.9 1446.7 1466.4 1486.1 1505.8 1525.6 1545.3 1565.0	2.934 2.890 2.848 2.804 2.785 2.751 2.721 2.681 2.654 2.639	2.835 2.790 2.747 2.702 2.681 2.646 2.615 2.573 2.545 2.529	34.557 34.563 34.563 34.568 34.570 34.574 34.576 34.579 34.581	27.546 27.553 27.559 27.566 27.569 27.574 27.579 27.585 27.590 27.590	34.001 34.101 34.199 34.298 34.393 34.489 34.586 34.685 34.781 34.875	27.537 27.544 27.550 27.557 27.560 27.564 27.576 27.580 27.580	63.0 62.2 61.7 61.1 60.8 60.4 59.9 59.3 58.9 58.7	18.386 18.512 18.636 18.759 18.881 19.002 19.122 19.241 19.359 19.477	90.4 90.3 90.3 90.3 90.3 90.3 90.3 90.3	1484.7 1484.9 1485.0 1485.4 1485.6 1485.8 1486.0 1486.2 1486.5	16765.4 17129.6 17496.2 17865.2 18236.6 18610.4 18986.5 19364.9 19745.6 20128.6	.7 9.5 1.0 8.4 4.0 2.5 3.4
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.5 1624.2 1643.9 1663.6 1683.3 1703.1 1722.8 1742.5 1762.2	2.609 2.587 2.574 2.553 2.552 2.488 2.454 2.428 2.390 2.378	2.497 2.474 2.460 2.437 2.404 2.369 2.334 2.307 2.267 2.254	34.583 34.584 34.585 34.587 34.589 34.593 34.595 34.597 34.601	27.596 27.600 27.600 27.605 27.610 27.615 27.620 27.624 27.630 27.631	34.971 35.066 35.159 35.254 35.350 35.448 35.545 35.640 35.738 35.830	27.587 27.590 27.592 27.595 27.600 27.605 27.610 27.614 27.620 27.621	58.4 58.1 58.0 57.7 57.3 56.7 55.9 55.3 55.2	19.594 19.710 19.826 19.942 20.057 20.171 20.284 20.396 20.507 20.618	90.4 90.3 90.3 90.3 90.3 90.4 90.4	1486.7 1486.9 1487.5 1487.7 1487.9 1488.0 1488.3 1488.4 1488.7	20513.9 20901.5 21291.3 21683.3 22077.6 22474.1 22872.8 23273.7 23676.8 24082.0	5.2 2.9 1.1 7.3 1.8 1.5 3.0
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1919.8 1939.4 1959.1	2.347 2.319 2.279 2.256 2.214 2.204 2.189 2.162 2.142 2.127	2.222 2.193 2.152 2.128 2.085 2.073 2.056 2.028 2.006 1.990	34.603 34.605 34.609 34.610 34.614 34.616 34.617 34.619 34.621 34.623	27.636 27.640 27.646 27.656 27.658 27.660 27.665 27.668 27.668	35.927 36.022 36.121 36.215 36.315 36.407 36.501 36.596 36.691 36.784	27.626 27.629 27.636 27.639 27.646 27.647 27.650 27.654 27.657 27.659	54.7 54.4 53.7 53.4 52.7 52.6 52.6 52.0 51.7 51.5	20.728 20.837 20.945 21.052 21.157 21.263 21.368 21.472 21.575 21.679	90.3 90.4 90.4 90.4 90.3 90.3 90.3	1488.9 1489.1 1489.3 1489.5 1489.7 1490.0 1490.3 1490.5 1490.7 1491.0	24489.3 24898.8 25310.3 25723.9 26139.6 26557.3 26977.0 27398.8 27822.6 28248.3	1.8 7.1 5 3.3 3.3 2.5 3.1 1.6
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2300.0 2400.0 2450.0	1978.8 2028.0 2077.2 2126.4 2175.6 2224.7 2273.9 2323.0 2372.1 2421.2	2.103 2.059 2.025 2.020 1.967 1.934 1.903 1.871 1.837 1.819	1.965 1.917 1.879 1.850 1.814 1.777 1.742 1.706 1.668	34.625 34.630 34.633 34.639 34.639 34.645 34.645 34.648 34.651	27.674 27.682 27.687 27.692 27.697 27.702 27.707 27.712 27.717 27.720	36.879 37.114 37.347 37.577 37.809 38.040 38.271 38.502 38.733 38.960	27.663 27.671 27.676 27.680 27.685 27.695 27.700 27.705 27.707	51.1 50.4 49.9 49.6 49.2 48.8 48.4 47.9 47.5 47.4	21.781 22.035 22.286 22.535 22.782 23.027 23.270 23.510 23.749 23.986	90.3 90.3 90.3 90.3 90.3 90.3 90.3	1491.2 1491.9 1492.6 1493.3 1494.0 1494.7 1495.4 1496.1 1496.8 1497.6	28676.1 29754.0 30844.2 31946.3 33060.4 34186.4 35324.0 36473.2 37634.0 38806.1	2.9 1.1 .0 1.5 1.6 1.6 2 2.3
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2900.0	2470.3 2519.4 2568.5 2617.6 2666.6 27164.7 2813.7 2862.7 2911.7	1.792 1.765 1.748 1.717 1.695 1.677 1.662 1.639 1.633	1.615 1.584 1.563 1.528 1.502 1.480 1.460 1.433 1.422 1.408	34.655 34.658 34.661 34.661 34.665 34.665 34.667 34.668 34.669	27.725 27.729 27.731 27.736 27.739 27.742 27.744 27.748 27.749 27.752	39.189 39.419 39.645 39.875 40.101 40.554 40.554 40.780 41.004 41.228	27.711 27.716 27.718 27.722 27.724 27.728 27.730 27.733 27.734 27.736	47.0 46.5 46.5 45.9 45.5 45.2 45.2	24.221 24.455 24.688 24.919 25.149 25.377 25.605 25.831 26.057 26.283	90.4 90.4 90.3 90.3 90.3 90.3 90.3 90.3	1498.3 1499.1 1499.8 1500.6 1501.3 1502.1 1502.9 1503.6 1504.4 1505.2	39989.6 41184.3 42390.3 43607.3 44835.3 46074.3 47324.1 48584.9 49856.4 51138.7	3.8 5 2.7 1.9 .8 1.4 1.7 1.5 1.6
3000.0 3050.0 3100.0 3116.0	2960.7 3009.7 3058.6 3074.3	1.604 1.589 1.577 1.574	1.384 1.365 1.348 1.344	34.671 34.673 34.675 34.675	27.755 27.757 27.760 27.760	41.454 41.679 41.903 41.974	27.739 27.741 27.743 27.744	44.9 44.7 44.5 44.5	26.507 26.731 26.954 27.026	90.2 90.3 90.2 90.3	1506.0 1506.8 1507.6 1507.8	52431.7 53735.4 55049.8 55472.7	.2 .8 .5

Station	55	Latitude	32° 16.	15'N	-	ude 127°	15.05'W	28	Aug 1989	GMT 1			1060 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg		LTR 0/0	sv m/s	m ³ /s ²	10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.8 59.8 69.8 79.8 89.7	19.020 19.020 19.020 19.021 19.027 18.812 18.679 18.166 16.972 15.383	19.020 19.018 19.016 19.020 18.803 18.669 18.154 16.959 15.370	33.468 33.468 33.468 33.468 33.463 33.461 33.597 33.770	23.847 23.847 23.847 23.848 23.898 23.898 23.930 24.161 24.581 24.757	23.847 23.890 23.934 23.978 24.021 24.115 24.191 24.466 24.931 25.154	23.847 23.847 23.847 23.845 23.845 23.845 23.927 24.158 24.577 24.754	404.7 405.0 405.3 405.6 406.1 401.6 398.9 377.1 337.4 320.6	.000 .405 .810 1.215 1.621 2.027 2.427 2.820 3.174 3.503	90.0 90.0 90.0 90.0 89.8 90.0 89.9 90.0	1517.6 1517.8 1517.9 1518.1 1518.3 1517.8 1517.6 1516.4 1513.3 1508.3	.0 2.0 8.1 18.2 32.3 50.5 72.7 98.9 128.8 162.0	.0 .7 .8 .5 2.3 151.0 23.3 592.5 200.3 203.5
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	14.554 13.958 13.354 12.825 11.702 11.165 10.819 10.468 10.161	14.539 13.942 13.337 12.808 12.338 11.683 11.145 10.799 10.447 10.139	33.444 33.389 33.377 33.352 33.374 33.438 33.472 33.527 33.600	24.872 24.955 25.069 25.154 25.280 25.385 25.534 25.622 25.726 25.836	25.314 25.442 25.602 25.733 25.904 26.057 26.251 26.385 26.536 26.691	24.869 24.951 25.065 25.151 25.277 25.382 25.618 25.723 25.832	309.9 302.2 291.5 283.5 271.7 261.7 247.7 239.5 229.7 219.4	3.818 4.124 4.421 4.708 4.986 5.252 5.506 5.751 5.987 6.212	90.1 90.1 90.2 90.4 90.6 90.7 90.8 90.7 90.7	1505.7 1503.8 1502.0 1500.3 1499.0 1496.8 1495.2 1494.2 1493.1 1492.3	198.5 238.0 280.6 326.0 374.2 425.2 478.7 534.7 593.1 653.7	74.2 113.6 77.8 79.2 122.4 63.5 40.8 111.3 116.3
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.0 229.0 238.9 248.9 258.8 268.7 278.7 288.6	9.736 9.279 9.071 8.872 8.640 8.444 8.349 8.200 8.164 8.006	9.713 9.256 9.048 8.847 8.615 8.418 8.322 8.172 8.136 7.977	33.671 33.763 33.813 33.851 33.891 33.935 33.949 33.969 33.973 33.987	25.962 26.109 26.181 26.243 26.310 26.375 26.401 26.439 26.447 26.482	26.865 27.059 27.176 27.284 27.398 27.509 27.581 27.665 27.719 27.800	25.959 26.106 26.177 26.239 26.306 26.371 26.397 26.435 26.443	207.5 193.6 186.9 181.1 174.8 168.8 166.5 163.0 162.3 159.1	6.426 6.627 6.817 7.001 7.179 7.351 7.519 7.683 7.846 8.007	90.8 90.8 90.7 90.8 90.7 90.7 90.7 90.7	1491.0 1489.6 1489.0 1488.5 1487.8 1487.1 1486.7 1486.8 1486.3	716.6 781.5 848.3 916.9 987.4 1059.6 1133.5 1209.0 1286.1 1364.8	134.3 146.5 123.0 45.7 37.8 48.9 63.5 24.2 35.1 42.7
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.2 348.2 358.1 368.0 378.0 387.9	7.848 7.746 7.645 7.459 7.262 7.127 6.976 6.875 6.791 6.531	7.818 7.715 7.613 7.428 7.229 7.094 6.943 6.841 6.756 6.496	33.997 34.000 34.005 34.007 34.014 34.014 34.025 34.032 34.022	26.513 26.531 26.549 26.578 26.610 26.629 26.650 26.672 26.690 26.716	27.877 27.941 28.005 28.080 28.160 28.225 28.293 28.362 28.425 28.500	26.509 26.526 26.545 26.573 26.606 26.624 26.645 26.668 26.685 26.712	156.3 154.7 153.0 150.4 147.3 145.6 143.7 141.6 140.1 137.5	8.164 8.320 8.474 8.625 8.774 8.921 9.065 9.208 9.349 9.488	90.6 90.7 90.7 90.6 90.6 90.6 90.5	1485.9 1485.7 1485.5 1484.9 1484.3 1484.0 1483.5 1483.3 1483.1 1482.3	1445.1 1527.0 1610.4 1695.3 1781.7 1869.5 1958.8 2049.5 2141.6 2235.1	9.8 36.8 15.4 46.7 37.3 28.5 19.4 12.3 24.3
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.3 477.2 487.1	6.473 6.299 6.141 5.937 5.859 5.774 5.509	6.438 6.263 6.105 6.004 5.899 5.821 5.739 5.664 5.555 5.469	34.035 34.034 34.028 34.037 34.034 34.039 34.052 34.065 34.068	26.734 26.756 26.771 26.791 26.802 26.818 26.826 26.845 26.869 26.881	28.563 28.633 28.696 28.762 28.820 28.882 28.937 29.002 29.073 29.132	26.729 26.751 26.767 26.787 26.798 26.813 26.822 26.841 26.864 26.876	135.9 133.8 132.3 130.5 129.5 128.1 127.3 125.6 123.4 122.2	9.624 9.759 9.892 10.023 10.153 10.282 10.410 10.536 10.660 10.783	90.6 90.5 90.5 90.5 90.6 90.6 90.6	1482.2 1481.7 1481.2 1481.0 1480.7 1480.6 1480.4 1480.3 1480.0 1479.8	2329.9 2426.1 2523.6 2622.4 2722.5 2823.9 2926.6 3030.5 3135.6 3241.9	19.0 11.6 25.1 24.5 4.8 22.7 22.4 15.9 22.1 8.0
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0	497.0 506.9 516.9 526.8 536.7 546.5 556.5 566.4 576.3	5.470 5.367 5.286 5.175 5.104 5.029 4.931 4.866 4.828 4.777	5.428 5.325 5.243 5.132 5.061 4.985 4.886 4.821 4.783 4.731	34.071 34.072 34.079 34.087 34.108 34.123 34.123 34.155 34.165	26.889 26.902 26.917 26.937 26.952 26.969 26.993 27.011 27.030 27.044	29.186 29.246 29.307 29.375 29.437 29.501 29.571 29.5636 29.701 29.761	26.884 26.897 26.912 26.932 26.947 26.965 26.988 27.006 27.025 27.039	121.6 120.4 119.0 117.1 115.6 114.0 111.8 110.1 108.4 107.1	10.905 11.026 11.146 11.264 11.380 11.494 11.607 11.718 11.827 11.936	90.6 90.6 90.5 90.5 90.6 90.6 90.5	1479.9 1479.6 1479.4 1479.2 1479.1 1478.9 1478.7 1478.6 1478.6	3349.5 3458.3 3568.2 3679.3 3791.6 3905.0 4019.5 4135.2 4251.9 4369.7	4.2 27.6 18.2 25.3 8.3 17.5 8.8 7.9 27.3
600.0 610.0 620.0 630.0 640.0 650.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.7 655.6 665.5 675.5	4.714 4.669 4.657 4.608 4.555 4.496 4.487 4.448 4.386	4.667 4.621 4.609 4.560 4.505 4.446 4.437 4.397 4.366 4.333	34.176 34.186 34.193 34.210 34.225 34.240 34.242 34.243 34.263 34.276	27.060 27.072 27.079 27.099 27.117 27.135 27.137 27.150 27.161 27.176	29.824 29.883 29.935 30.002 30.066 30.131 30.179 30.239 30.296 30.356	27.055 27.067 27.074 27.093 27.111 27.129 27.132 27.145 27.156 27.170	105.7 104.5 104.0 102.2 100.5 98.7 97.5 96.5 95.2	12.042 12.147 12.251 12.354 12.456 12.654 12.752 12.850 12.946	90.6 90.5 90.6 90.6 90.6 90.6 90.5	1478.5 1478.6 1478.6 1478.6 1478.5 1478.7 1478.7 1478.7	4488.5 4608.4 4729.3 4851.2 4974.2 5098.1 5223.0 5348.9 5475.7 5603.5	10.3 15.6 7.9 1.5 2.4 7.4 3.8 16.1 14.7 8.8
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5 784.4	4.350 4.303 4.279 4.373 4.334 4.425 4.391 4.325 4.288 4.297	4.297 4.249 4.224 4.318 4.277 4.367 4.332 4.266 4.229 4.236	34.287 34.300 34.313 34.339 34.339 34.365 34.379 34.388 34.390 34.395	27.188 27.203 27.216 27.227 27.232 27.243 27.257 27.271 27.277 27.280	30.416 30.477 30.537 30.591 30.642 30.696 30.757 30.819 30.871 30.920	27.183 27.198 27.211 27.221 27.226 27.236 27.251 27.265 27.271 27.274	94.1 92.7 91.5 90.8 90.4 89.7 88.3 86.9 86.4	13.040 13.134 13.226 13.317 13.408 13.498 13.586 13.674 13.761 13.847	90.5 90.6 90.5 90.6 90.5 90.4 90.4 90.5	1478.8 1478.8 1478.9 1479.5 1479.5 1480.0 1480.1 1480.0 1480.2	5732.2 5861.8 5992.4 6123.8 6256.2 6389.4 6523.5 6658.5 6794.3 6931.0	8.5 4.1 7.4 26.7 5 13.0 17.7 14.5 7.7 8.0
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.8 853.7 863.6 873.5 883.4	4.237 4.181 4.172 4.140 4.135 4.080 4.085 4.057 4.106 4.086	4.176 4.120 4.110 4.078 4.071 4.016 4.020 3.992 4.039 4.019	34.399 34.401 34.402 34.408 34.412 34.414 34.421 34.421 34.434 34.437	27.289 27.297 27.300 27.307 27.311 27.318 27.323 27.326 27.332 27.336	30.976 31.030 31.078 31.132 31.181 31.236 31.286 31.335 31.386 31.436	27.283 27.291 27.293 27.301 27.304 27.312 27.316 27.319 27.325 27.330	85.4 84.7 84.6 83.8 83.6 82.9 82.5 82.3 82.0 81.6	13.933 14.018 14.103 14.187 14.271 14.354 14.436 14.519 14.601 14.683	90.5 90.6 90.5 90.5 90.5 90.4 90.5 90.5 90.5	1480.1 1480.1 1480.2 1480.2 1480.4 1480.3 1480.5 1480.6 1480.9	7068.5 7206.9 7346.1 7486.1 7627.0 7768.6 7911.1 8054.4 8198.5 8343.4	2.5 5.1 5.4 3.9 9.8 1.6 1.0 10.4 7.5
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.5 972.4 982.3	4.043 4.018 4.009 3.979 3.950 3.895 3.862 3.825 3.790	3.975 3.950 3.940 3.909 3.899 3.878 3.824 3.790 3.752 3.717	34.444 34.447 34.449 34.454 34.456 34.461 34.463 34.465 34.472	27.347 27.351 27.353 27.357 27.362 27.366 27.366 27.386 27.386 27.386	31.493 31.544 31.592 31.642 31.693 31.743 31.799 31.851 31.903 31.958	27.340 27.344 27.346 27.350 27.355 27.359 27.368 27.373 27.379 27.387	80.6 80.2 80.1 79.8 79.4 79.1 78.1 77.7 77.1	14.764 14.844 14.925 15.005 15.084 15.163 15.242 15.320 15.320 15.397	90.5 90.5 90.5 90.4 90.4 90.4 90.4	1481.0 1481.1 1481.2 1481.3 1481.4 1481.5 1481.4 1481.5 1481.5	8489.1 8635.6 8782.9 8931.0 9079.8 9229.4 9379.8 9531.0 9682.9 9835.6	11.6 5.2 .5 16.0 1.1 2.0 6.4 9.0 14.6 5.5

Station	55	Latitude	32° 16.	15'N	Longitu	de 127°	15.05'W	28	Aug 1989	GMT 14	:54	Bottom	1060 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma -0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m ³ /s ²	N ²
1000.0 1020.0 1040.0 1044.0	992.2 1012.0 1031.8 1035.7	3.777 3.766 3.680 3.678	3.703 3.690 3.603 3.601	34.473 34.474 34.486 34.485	27.397 27.399 27.417 27.417	32.006 32.100 32.211 32.229	27.389 27.392 27.409 27.409	76.2 76.1 74.4 74.5	15.550 15.703 15.853 15.883	90.5 90.4 90.4	1481.6 1481.9 1481.9	9989.0 10298.1 10610.2	-1.5 4.3 9.6

Station	56	Latitude	32. 50.	09'N	Longit	ude 127°	12.47'W	28	Aug 1989	GMT 1	6:12		3125 m
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kç	Dyn.Ht J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.8 59.8 69.8 79.8	19.013 19.014 19.020 19.022 19.022 19.022 18.797 18.346 15.859 15.289	19.013 19.013 19.017 19.017 19.013 19.013 18.787 18.334 15.847 15.275	33.466 33.465 33.465 33.465 33.465 33.465 33.462 33.379 33.432	23.847 23.847 23.845 23.845 23.846 23.918 24.014 24.536 24.704	23.847 23.890 23.932 23.975 24.020 24.064 24.179 24.318 24.888 25.101	23.847 23.846 23.844 23.844 23.844 23.916 24.011 24.534 24.701	404.7 405.0 405.5 405.9 406.1 406.5 400.0 391.2 341.4 325.7	.000 .405 .810 1.216 1.622 2.028 2.432 2.828 3.193 3.524	90.1 90.1 90.1 90.1 90.1 90.1 90.0 89.9 90.1	1517.6 1517.7 1517.7 1518.1 1518.2 1518.4 1518.0 1516.8 1509.4 1507.8	.0 2.0 8.1 18.2 32.3 50.5 72.7 99.0 129.0 162.5	-3.6 6 4.5 14.6 69.0 100.0 310.4 40.1
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	15.210 14.638 12.979 13.202 12.465 11.870 11.237 10.866 10.502	15.194 14.621 12.963 13.184 12.763 12.446 11.850 11.216 10.844 10.480	33.579 33.575 33.282 33.424 33.423 33.423 33.423 33.504 33.504	24.835 24.956 25.070 25.136 25.218 25.283 25.489 25.639 25.745	25.275 25.441 25.604 25.714 25.842 25.951 26.108 26.251 26.447 26.599	24.831 24.952 25.067 25.133 25.215 25.279 25.389 25.485 25.635 25.741	313.6 302.2 291.3 285.3 277.7 271.7 261.3 252.3 238.1 228.2	3.843 4.151 4.446 4.735 5.016 5.290 5.557 5.813 6.059 6.292	90.1 90.4 90.5 90.6 90.6 90.7 90.8 90.8	1507.9 1506.3 1500.6 1501.7 1500.4 1499.5 1497.6 1495.5 1494.5 1493.4	199.2 239.0 281.8 327.5 376.0 427.3 481.3 537.8 596.9 658.3	119.7 142.2 36.4 108.8 88.0 79.1 123.0 55.8 147.7
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.1 229.0 238.9 248.9 258.8 268.7 278.7 288.6	10.021 9.739 9.351 9.034 8.778 8.582 8.442 8.300 8.081 7.915	9.998 9.715 9.326 9.010 8.753 8.555 8.415 8.272 8.053 7.886	33.624 33.675 33.740 33.796 33.856 33.902 33.931 33.957 33.988 33.996	25.878 25.965 26.080 26.174 26.262 26.373 26.414 26.471 26.502	26.779 26.913 27.074 27.215 27.349 27.552 27.552 27.7639 27.743 27.821	25.875 25.962 26.076 26.170 26.258 26.324 26.368 26.410 26.467 26.498	215.5 207.4 196.6 187.7 179.5 173.3 169.2 165.4 160.0 157.1	6.513 6.726 6.928 7.120 7.303 7.479 7.651 7.818 7.980 8.139	90.9 90.9 90.8 90.8 90.8 90.8 90.7	1492.0 1491.1 1490.0 1489.0 1488.3 1487.8 1487.4 1487.1 1486.5 1486.0	722.0 787.8 855.6 925.5 997.1 1070.6 1145.7 1222.6 1301.0 1381.1	43.0 35.3 12.7 148.5 60.9 32.5 38.6 25.7 30.9
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.3 348.1 358.1 368.0 378.0 387.9	7.801 7.580 7.423 7.336 7.256 7.196 7.066 6.925 6.767 6.682	7.772 7.550 7.392 7.305 7.224 7.163 7.032 6.890 6.732 6.646	34.001 34.011 34.011 34.012 34.012 34.019 34.023 34.024 34.033	26.523 26.563 26.585 26.597 26.610 26.618 26.641 26.664 26.686 26.705	27.888 27.974 28.043 28.101 28.160 28.214 28.284 28.353 28.422 28.487	26.519 26.558 26.593 26.605 26.614 26.637 26.659 26.681 26.700	155.3 151.6 149.5 148.5 147.4 146.7 144.5 140.4 138.7	8.295 8.448 8.598 8.747 8.895 9.042 9.188 9.331 9.472 9.611	90.8 90.7 90.8 90.7 90.8 90.7 90.6 90.6	1485.7 1485.1 1484.6 1484.4 1484.3 1484.2 1483.9 1483.0 1483.0	1462.7 1545.8 1630.5 1716.6 1804.2 1893.2 1983.7 2075.6 2169.0 2263.7	42.3 24.1 22.9 21.5 1.2 15.3 26.1 28.7 12.6
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.8 407.7 417.7 427.6 437.5 447.4 457.4 467.3 477.2 487.1	6.602 6.385 6.228 6.102 6.006 5.965 5.827 5.660 5.530	6.565 6.349 6.191 6.064 5.968 5.927 5.788 5.621 5.621 5.411	34.041 34.028 34.021 34.020 34.026 34.044 34.053 34.064 34.074	26.722 26.740 26.755 26.770 26.783 26.824 26.851 26.876 26.893	28.550 28.616 28.678 28.740 28.799 28.855 28.934 29.009 29.144	26.717 26.735 26.750 26.765 26.778 26.788 26.819 26.846 26.871 26.888	137.2 135.4 134.0 132.6 131.4 130.6 127.6 125.0 122.6 121.0	9.749 9.886 10.021 10.154 10.286 10.417 10.546 10.672 10.796 10.918	90.7 90.7 90.7 90.7 90.7 90.7 90.6 90.7	1482.7 1482.0 1481.5 1481.2 1481.0 1481.0 1480.6 1480.1 1479.8 1479.6	2359.8 2457.2 2556.0 2656.1 2757.5 2860.2 2964.2 3069.4 3175.9 3283.6	7.3 10.5 26.6 11.6 16.6 21.3 19.8 25.9 29.4
500.0 510.0 520.0 530.0 540.0 550.0 570.0 570.0 590.0	497.0 507.0 516.9 526.8 536.7 546.5 556.4 576.4 586.3	5.402 5.323 5.273 5.249 5.185 5.123 4.993 4.895 4.830	5.361 5.281 5.231 5.206 5.141 5.079 4.949 4.950 4.785 4.798	34.085 34.093 34.107 34.116 34.131 34.142 34.140 34.162 34.155 34.169	26.908 26.924 26.940 26.950 26.971 26.986 27.000 27.017 27.030 27.040	29.205 29.268 29.331 29.387 29.454 29.515 29.577 29.577 29.701 29.756	26.903 26.919 26.935 26.945 26.965 26.981 26.994 27.011 27.025 27.035	119.7 118.2 116.7 115.9 114.0 112.6 111.3 109.8 108.4 107.6	11.038 11.157 11.274 11.391 11.506 11.619 11.731 11.842 11.951 12.059	90.7 90.7 90.7 90.7 90.6 90.7 90.6 90.7 90.7	1479.6 1479.5 1479.4 1479.4 1479.4 1479.0 1479.2 1478.7 1478.9	3392.5 3502.6 3613.8 3726.2 3839.7 3954.4 4070.1 4187.0 4304.9 4423.9	13.9 18.5 12.7 11.8 22.3 8.3 17.6 13.0 19.1 15.3
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.7 655.7 665.5 675.5	4.723 4.688 4.652 4.654 4.566 4.537 4.501 4.465 4.426 4.385	4.677 4.641 4.504 4.576 4.517 4.487 4.450 4.374 4.374	34.174 34.186 34.198 34.205 34.227 34.227 34.239 34.251 34.261 34.272	27.057 27.070 27.084 27.093 27.111 27.120 27.133 27.147 27.159 27.173	29.821 29.880 29.940 29.995 30.060 30.116 30.175 30.235 30.294 30.354	27.052 27.065 27.078 27.087 27.105 27.115 27.128 27.142 27.154 27.167	106.0 104.8 103.5 102.8 101.1 100.3 99.1 97.8 96.7 95.5	12.166 12.272 12.376 12.479 12.581 12.682 12.782 12.880 12.977 13.073	90.7 90.6 90.7 90.6 90.6 90.6 90.6 90.6	1478.6 1478.6 1478.6 1478.7 1478.7 1478.7 1478.7 1478.8	4544.0 4665.1 4787.3 4910.4 5034.6 5159.8 5285.9 5413.1 5541.2 5670.2	7.4 20.5 18.8 16.4 3.8 3.8 12.0 24.9 5.3
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5	4.358 4.339 4.305 4.288 4.270 4.263 4.256 4.319 4.343 4.313	4.305 4.285 4.250 4.233 4.214 4.206 4.299 4.260 4.284 4.252	34.280 34.286 34.296 34.300 34.309 34.324 34.333 34.357 34.373 34.380	27.182 27.189 27.200 27.205 27.214 27.227 27.235 27.248 27.258 27.266	30.409 30.462 30.520 30.571 30.626 30.684 30.738 30.795 30.851 30.905	27.176 27.183 27.194 27.199 27.208 27.221 27.229 27.241 27.252 27.260	94.7 94.1 93.1 92.7 91.9 90.2 89.2 88.4 87.6	13.168 13.263 13.357 13.450 13.542 13.633 13.724 13.813 13.902 13.990	90.7 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1478.8 1478.9 1479.0 1479.1 1479.2 1479.3 1479.5 1479.9 1480.2 1480.3	5800.2 5931.1 6063.0 6195.7 6329.4 6464.0 6599.4 6735.8 6873.0 7011.1	5.0 2.4 18.8 -6 7.4 12.7 5.4 17.4 8.9
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 890.0	794.3 804.2 814.1 624.0 833.9 843.8 853.7 863.6 873.5 883.4	4.304 4.307 4.314 4.280 4.232 4.179 4.188 4.137 4.128 4.117	4.242 4.245 4.251 4.217 4.168 4.115 4.122 4.071 4.062 4.050	34.391 34.403 34.405 34.409 34.410 34.423 34.423 34.423 34.424	27.276 27.280 27.285 27.291 27.298 27.305 27.315 27.319 27.322 27.328	30.961 31.011 31.061 31.113 31.167 31.221 31.275 31.326 31.375 31.428	27.269 27.274 27.278 27.284 27.291 27.299 27.308 27.312 27.315 27.322	86.8 86.2 85.7 85.0 83.5 83.5 83.9 82.4	14.077 14.163 14.250 14.336 14.421 14.506 14.590 14.673 14.756 14.839	90.6 90.5 90.6 90.6 90.5 90.5 90.5	1480.4 1480.6 1480.8 1480.8 1480.8 1480.7 1480.9 1480.9 1481.0	7150.0 7289.8 7430.5 7572.0 7714.3 7857.5 8001.4 8146.3 8291.9 8438.3	8.3 2.5 4.9 8.4 7.2 10.7 5.2 3.1 5.2
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.5 972.4 982.3	4.087 4.060 4.022 3.964 3.958 3.924 3.905 3.897 3.871 3.858	4.019 3.991 3.953 3.895 3.888 3.853 3.833 3.825 3.798 3.784	34.442 34.446 34.449 34.451 34.452 34.456 34.460 34.460	27.335 27.343 27.351 27.353 27.359 27.364 27.368 27.371 27.378 27.378	31.480 31.535 31.589 31.638 31.690 31.742 31.791 31.840 31.893 31.943	27.328 27.336 27.344 27.346 27.352 27.357 27.360 27.364 27.370 27.374	81.8 81.1 80.4 80.2 79.6 79.2 78.9 78.7 78.7	14.921 15.002 15.083 15.163 15.243 15.323 15.401 15.480 15.559 15.637	90.6 90.5 90.6 90.6 90.6 90.6 90.6 90.6	1481.2 1481.3 1481.3 1481.2 1481.3 1481.4 1481.4 1481.6 1481.6	8585.6 8733.6 8882.5 9032.1 9182.5 9333.7 9485.7 9638.4 9792.0 9946.2	5.5 8.4 4.0 6.6 5.5 3.7 7.8 9.9 3.4

Station	56	Latitude	32. 50.0	9'N	-	ide 127°			Aug 1989	GMT 1	6:12	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0 1180.0	992.2 1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.6 1150.4 1170.2	3.824 3.744 3.712 3.664 3.623 3.591 3.535 3.440 3.402	3.749 3.669 3.535 3.586 3.510 3.453 3.453 3.399 3.355 3.316	34.467 34.472 34.475 34.484 34.489 34.496 34.504 34.508 34.512	27.388 27.399 27.405 27.417 27.426 27.435 27.443 27.451 27.459 27.466	31.996 32.101 32.198 32.303 32.403 32.504 32.605 32.706 32.806 32.905	27.381 27.392 27.397 27.410 27.427 27.427 27.435 27.443 27.451 27.458	77.1 76.1 75.7 74.6 73.8 73.1 72.3 71.5 70.9	15.714 15.867 16.019 16.169 16.318 16.465 16.610 16.754 16.896 17.037	90.6 90.5 90.6 90.5 90.6 90.5 90.5	1481.8 1481.8 1482.0 1482.1 1482.3 1482.5 1482.6 1482.7 1482.9 1483.0	10101.3 10413.6 10728.9 11047.2 11368.4 11692.5 12019.5 12349.2 12681.8 13017.1	5.5 3.7 7.6 5.8 6.1 5.2 7.6 10.5 2.9
1200.0 1220.0 1240.0 1260.0 1300.0 1300.0 1320.0 1340.0 1360.0	1189.9 1209.7 1229.4 1249.2 1269.0 1288.7 1308.5 1328.2 1347.9 1367.7	3.357 3.317 3.275 3.234 3.203 3.148 3.115 3.097 3.049 2.994	3.270 3.228 3.185 3.143 3.111 3.055 3.021 3.001 2.952 2.896	34.519 34.528 34.531 34.535 34.539 34.540 34.544 34.547 34.551	27.476 27.483 27.491 27.498 27.504 27.511 27.516 27.521 27.528 27.536	33.008 33.107 33.207 33.306 33.404 33.505 33.601 33.697 33.797 33.898	27.468 27.475 27.483 27.489 27.503 27.507 27.512 27.519 27.528	69.4 68.7 68.0 67.5 66.2 65.8 64.8 63.9	17.177 17.315 17.452 17.588 17.722 17.855 17.987 18.118 18.249 18.378	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1483.2 1483.3 1483.5 1483.7 1483.9 1484.0 1484.2 1484.4 1484.6 1484.7	13355.2 13696.0 14039.4 14385.6 14734.3 15085.7 15439.6 15796.1 16155.2 16516.8	7.0 2.1 7.4 5.6 2.7 2.1 3.3 1.3
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0	1387.4 1407.2 1426.9 1446.7 1466.4 1455.8 1505.8 1525.6 1545.3 1565.0	2.946 2.909 2.878 2.844 2.804 2.777 2.735 2.705 2.663 2.615	2.847 2.809 2.777 2.741 2.700 2.671 2.629 2.597 2.554 2.505	34.555 34.562 34.563 34.567 34.569 34.570 34.571 34.575 34.575	27.544 27.550 27.556 27.560 27.566 27.571 27.575 27.579 27.585 27.593	33.998 34.097 34.194 34.291 34.389 34.485 34.582 34.677 34.777	27.535 27.541 27.546 27.557 27.557 27.566 27.569 27.576 27.583	63.2 62.6 62.1 61.7 61.2 60.8 60.3 60.0 59.4 58.6	18.505 18.631 18.755 18.879 19.002 19.124 19.245 19.365 19.485 19.603	90.4 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1484.8 1485.0 1485.2 1485.4 1485.5 1485.7 1485.7 1486.1 1486.3	16880.8 17247.3 17616.3 17987.7 18361.4 18737.6 19116.1 19497.0 19880.1 20265.6	5.4 1.9 6.6 1.6 4.6 1.1 4.7 7.2
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.5 1624.2 1643.9 1663.6 1683.3 1703.1 1722.8 1742.5 1762.2	2.581 2.553 2.525 2.495 2.499 2.429 2.411 2.384 2.363 2.346	2.470 2.440 2.411 2.379 2.343 2.311 2.292 2.263 2.241 2.223	34.581 34.584 34.585 34.588 34.592 34.594 34.595 34.597 34.599 34.601	27.597 27.602 27.606 27.611 27.617 27.621 27.623 27.628 27.631 27.634	34.973 35.070 35.165 35.262 35.360 35.456 35.550 35.646 35.741 35.834	27.588 27.592 27.596 27.601 27.607 27.611 27.613 27.618 27.621 27.624	58.2 57.7 57.4 56.9 56.3 55.9 55.8 55.3 55.3	19.719 19.835 19.950 20.065 20.178 20.290 20.402 20.513 20.623 20.733	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1486.6 1486.8 1487.0 1487.2 1487.4 1487.9 1488.1 1488.3 1488.6	20653.4 21043.4 21435.7 21830.1 22226.8 22625.7 23026.7 23429.9 23835.3 24242.8	2.8 4.5 2.3 5.2 1.2 1.2
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1919.7 1939.4 1959.1	2.323 2.304 2.283 2.264 2.250 2.224 2.192 2.172 2.144 2.131	2.198 2.178 2.156 2.135 2.119 2.092 2.059 2.038 2.008 1.994	34.603 34.605 34.607 34.609 34.610 34.613 34.616 34.617 34.620 34.620	27.638 27.641 27.645 27.648 27.650 27.654 27.662 27.666 27.668	35.929 36.024 36.119 36.214 36.307 36.402 36.499 36.593 36.689 36.782	27.627 27.631 27.634 27.637 27.639 27.643 27.649 27.651 27.656 27.657	54.5 54.2 53.9 53.6 53.4 53.0 52.5 52.3 51.7	20.843 20.951 21.059 21.167 21.274 21.380 21.486 21.591 21.595 21.798	90.4 90.5 90.5 90.5 90.5 90.4 90.5 90.5 90.5	1488.8 1489.1 1489.3 1489.6 1489.9 1490.1 1490.3 1490.5 1490.7 1491.0	24652.3 25064.0 25477.8 25893.7 26311.7 26731.7 27153.7 27577.8 28003.9 28432.0	3.3 1.8 5 4 5.4 1.0 1.6 1.0
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2350.0 2400.0 2450.0	1978.8 2028.0 2077.2 2126.4 2175.5 2224.7 2273.8 2323.0 2372.1 2421.2	2.099 2.048 2.006 1.978 1.947 1.920 1.890 1.858 1.835 1.806	1.961 1.906 1.861 1.829 1.794 1.763 1.730 1.693 1.666	34.624 34.629 34.632 34.635 34.638 34.642 34.645 34.647 34.649 34.652	27.674 27.681 27.688 27.692 27.698 27.703 27.708 27.713 27.717	36.879 37.115 37.348 37.579 37.811 38.042 38.273 38.503 38.732 38.962	27.663 27.670 27.676 27.681 27.686 27.691 27.696 27.700 27.704 27.708	51.1 50.4 49.8 49.5 49.0 48.2 47.8 47.5	21.901 22.155 22.406 22.654 22.900 23.144 23.386 23.626 23.864 24.101	90.5 90.5 90.5 90.5 90.5 90.4 90.4 90.4	1491.2 1491.8 1492.5 1493.2 1493.9 1494.7 1495.4 1496.1 1496.8 1497.6	28862.1 29946.0 31042.0 32150.0 33269.9 34401.6 35544.9 36699.8 37866.3 39044.1	3.7 .6 -1.5 .3 2.7 7 .8 1.1
2500.0 2550.0 2600.0 2650.0 2750.0 2750.0 2850.0 2878.0	2470.3 2519.4 2568.5 2617.5 2666.6 2715.6 2764.7 2813.7 2841.1	1.775 1.762 1.737 1.711 1.686 1.666 1.642 1.620 1.614	1.599 1.581 1.553 1.522 1.493 1.469 1.441 1.415	34.655 34.656 34.658 34.661 34.662 34.665 34.667 34.669	27.726 27.728 27.732 27.737 27.740 27.743 27.747 27.751 27.752	39.192 39.418 39.647 39.876 40.103 40.330 40.558 40.785 40.910	27.713 27.715 27.719 27.723 27.726 27.729 27.733 27.736 27.737	46.7 46.6 46.3 45.9 45.4 45.4 45.1 44.7	24.335 24.569 24.801 25.031 25.260 25.487 25.713 25.938 26.063	90.4 90.5 90.4 90.4 90.5 90.4 90.4 90.4	1498.3 1499.1 1499.8 1500.5 1501.3 1502.0 1502.8 1503.5 1504.0	40233.2 41433.5 42644.9 43867.4 45100.9 46345.3 47600.5 48866.5 49580.2	1.8 .9 1.0 -1.0 .2 4 3

Station	57	Latitude	32. 26	.87'N	Longit	ude 127°	08.17'W	2	8 Aug 198	9 GMT 1	.8:35	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	5al 0/00	Sigma-6 kg/m ³	9 Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht g J/kg	0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.8 59.8 69.8 79.8	19.071 19.065 19.065 19.066 19.066 18.803 18.643 17.689 16.186 15.625	19.071 19.065 19.062 19.061 19.059 18.794 18.632 17.677 16.174 15.611	33.476 33.476 33.476 33.476 33.471 33.501 33.451 33.472 33.573	23.840 23.841 23.842 23.843 23.843 23.969 24.165 24.533 24.738	23.840 23.885 23.923 24.017 24.124 24.230 24.471 24.885 25.134	23.840 23.841 23.841 23.841 23.904 23.967 24.162 24.531 24.735	405.3 405.5 405.8 406.1 406.4 406.8 395.1 376.7 341.7 322.5	.000 .405 .811 1.217 1.623 2.028 2.427 2.814 3.171 3.502	89.9 90.9 89.9 89.8 89.8 89.8 89.8	1517.8 1517.9 1518.1 1518.2 1518.4 1517.5 1514.9 1510.5 1509.1	.0 2.0 8.1 18.2 32.4 50.6 72.8 98.9 128.7 162.0	1.5 1 .3 50.0 129.0 396.2 337.7 127.1
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3	14.944 13.774 13.658 12.881 12.404 12.046 11.873 11.690 11.549 10.963	14.929 13.759 13.641 12.863 12.385 12.027 11.852 11.669 11.526 10.940	33.497 33.342 33.399 33.325 33.294 33.376 33.413 33.486 33.517	24.830 24.956 25.024 25.123 25.192 25.262 25.356 25.419 25.502 25.632	25.271 25.444 25.557 25.701 25.816 25.932 26.071 26.179 26.307 26.484	24.826 24.953 25.021 25.119 25.188 25.258 25.352 25.415 25.498 25.628	314.0 302.0 295.8 286.5 280.1 273.6 264.8 259.1 251.4 239.1	3.820 4.126 4.425 4.716 5.000 5.277 5.546 6.064 6.308	90.0 90.1 90.4 90.6 90.6 90.6 90.7	1507.0 1503.2 1503.0 1500.5 1499.0 1497.9 1497.2 1496.9 1495.0	198.5 238.0 280.6 326.1 374.4 425.6 479.4 535.9 656.5	158.6 13.8 62.1 59.9 60.7 75.8 80.8 56.2 120.6 124.6
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.1 229.0 238.9 248.9 258.8 268.7 278.7 288.6	10.351 10.099 9.846 9.320 9.109 8.754 8.668 8.469 8.358 8.278	10.328 10.075 9.821 9.295 9.083 8.728 8.641 8.441 8.329 8.248	33.549 33.612 33.662 33.759 33.769 33.865 33.881 33.927 33.945 33.960	25.763 25.856 25.938 26.100 26.164 26.272 26.299 26.365 26.396 26.420	26.663 26.802 26.929 27.139 27.250 27.404 27.476 27.590 27.666 27.736	25.760 25.852 25.934 26.096 26.160 26.268 26.294 26.361 26.392 26.415	226.6 217.9 210.3 194.9 188.9 178.7 176.3 170.0 167.3 165.2	6.541 6.762 6.976 7.178 7.370 7.554 7.731 7.904 8.073 8.239	90.8 90.8 90.6 90.6 90.6 90.6 90.6 90.6	1493.1 1492.4 1491.7 1490.0 1489.5 1488.2 1488.2 1487.7 1487.5	720.4 786.5 854.8 925.2 997.5 1071.6 1147.6 1225.2 1304.6 1385.6	211.1 20.8 112.7 71.9 81.2 96.1 36.9 33.4 14.0 23.1
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.3 348.2 358.1 368.0 378.0 387.9	8.115 7.937 7.751 7.598 7.496 7.405 7.300 7.167 7.025 6.834	8.085 7.906 7.720 7.566 7.463 7.371 7.266 7.132 6.990 6.798	33.983 34.000 34.009 34.014 34.015 34.017 34.017 34.019 34.023 34.028	26.463 26.503 26.537 26.563 26.578 26.593 26.608 26.628 26.651 26.681	27.825 27.912 27.992 28.065 28.126 28.188 28.248 28.314 28.384 28.461	26.458 26.498 26.533 26.559 26.574 26.603 26.603 26.646 26.676	161.2 157.5 154.3 151.8 150.5 149.2 147.9 146.1 144.0 141.1	8.402 8.561 8.717 8.870 9.021 9.171 9.320 9.467 9.611 9.754	90.6 90.7 90.5 90.6 90.6 90.5 90.5 90.5	1486.9 1486.4 1485.9 1485.5 1485.2 1484.8 1484.4 1484.1 1483.5	1468.3 1552.5 1638.3 1725.6 1814.4 1904.7 1996.5 2089.8 2184.5 2280.6	34.2 22.8 22.1 21.5 2 12.4 20.0 19.4 10.6 36.3
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.8 417.7 427.6 437.5 447.4 457.4 467.3 477.2	6.742 6.622 6.584 6.538 6.213 5.923 5.806 5.764 5.712	6.706 6.585 6.546 6.500 6.404 6.173 5.883 5.766 5.723 5.671	34.034 34.041 34.049 34.055 34.057 34.030 34.036 34.036 34.051 34.065	26.698 26.720 26.731 26.742 26.756 26.777 26.801 26.820 26.837 26.855	28.525 28.593 28.651 28.768 28.768 28.937 28.976 29.039 29.103	26.694 26.715 26.726 26.737 26.751 26.772 26.796 26.815 26.832 26.850	139.5 137.5 136.6 135.6 134.4 132.3 129.9 128.1 126.5 124.9	9.894 10.033 10.170 10.306 10.441 10.575 10.706 10.834 10.962 11.088	90.5 90.4 90.4 90.4 90.4 90.4 90.5 90.4 90.4	1483.3 1483.0 1483.0 1482.8 1482.0 1481.0 1480.7 1480.7	2378.1 2477.0 2577.3 2678.9 2781.8 2886.1 2991.6 3098.5 3206.6 3315.9	23.7 17.6 19.9 16.4 10.2 26.0 19.8 11.3 14.8 35.6
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0	497.0 507.0 516.9 526.8 536.7 546.6 556.5 566.5 576.4 586.3	5.539 5.470 5.403 5.353 5.307 5.257 5.139 5.086 4.990 4.925	5.497 5.428 5.360 5.309 5.263 5.213 5.094 4.944 4.878	34.066 34.071 34.076 34.090 34.098 34.108 34.120 34.130 34.137 34.148	26.876 26.889 26.901 26.918 26.943 26.967 26.981 26.997 27.014	29.173 29.232 29.290 29.354 29.411 29.471 29.542 29.603 29.666 29.729	26.872 26.884 26.896 26.913 26.924 26.938 26.962 26.976 26.992 27.008	122.8 121.7 120.6 119.0 118.0 114.5 113.3 111.7	11.211 11.333 11.455 11.575 11.693 11.810 11.926 12.039 12.152 12.263	90.5 90.4 90.4 90.4 90.4 90.4 90.4	1480.1 1480.0 1479.9 1479.9 1479.9 1479.6 1479.6 1479.5 1479.3	3426.5 3538.3 3651.3 3765.5 3880.9 3997.4 4115.1 4233.9 4353.8 4474.8	20.6 20.3 9.8 24.1 5.7 13.0 11.8 20.3 3.6 16.2
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.7 665.6 675.5	4.999 4.991 4.906 4.661 4.662 4.609 4.587 4.569	4.951 4.942 4.857 4.648 4.611 4.557 4.557 4.535 4.525 4.515	34.173 34.184 34.182 34.169 34.179 34.185 34.198 34.211 34.233 34.254	27.026 27.035 27.043 27.056 27.068 27.075 27.089 27.102 27.121 27.138	29.785 29.841 29.896 29.958 30.0169 30.129 30.189 30.253 30.316	27.020 27.030 27.038 27.051 27.063 27.070 27.083 27.097 27.115 27.132	109.3 108.5 107.7 106.3 105.2 104.7 103.4 102.2 100.6 99.1	12.373 12.482 12.590 12.696 12.802 12.907 13.011 13.114 13.215 13.315	90.4 90.4 90.5 90.4 90.4 90.4 90.5 90.4	1479.7 1479.8 1479.7 1478.9 1479.0 1479.1 1479.1 1479.2 1479.4 1479.5	4596.9 4720.1 4844.4 4969.7 5096.0 5223.4 5351.8 5481.3 5611.7 5743.1	10.1 11.8 25.3 17.9 3.3 11.5 5.9 20.3 9.5 5.4
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5 784.4	4.529 4.462 4.556 4.369 4.506 4.358 4.408 4.436	4.475 4.408 4.500 4.363 4.312 4.448 4.299 4.294 4.348 4.375	34.259 34.262 34.290 34.287 34.323 34.310 34.316 34.333 34.352	27.146 27.156 27.169 27.178 27.187 27.200 27.206 27.212 27.219 27.231	30.371 30.427 30.484 30.541 30.597 30.653 30.707 30.759 30.810 30.867	27.140 27.150 27.163 27.172 27.181 27.194 27.199 27.205 27.212 27.224	98.3 97.4 96.5 95.5 94.7 93.8 93.1 92.6 92.1	13.414 13.512 13.609 13.705 13.800 13.894 13.988 14.080 14.173 14.264	90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4	1479.5 1479.4 1480.0 1479.6 1479.5 1480.3 1479.9 1480.0 1480.4 1480.7	5875.5 6008.9 6143.2 6278.5 6414.7 6551.9 6889.9 6828.9 6968.8 7109.6	17.7 6.5 11.8 1.6 9.2 8.3 .7 2.8 6.6 7.5
800.0 810.0 820.0 830.0 840.0 850.0 860.0 860.0 890.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.421 4.403 4.381 4.324 4.323 4.307 4.278 4.252 4.233 4.147	4.359 4.341 4.318 4.280 4.258 4.242 4.212 4.185 4.166 4.080	34.364 34.373 34.384 34.392 34.395 34.401 34.408 34.412 34.418 34.411	27.242 27.252 27.263 27.273 27.278 27.285 27.293 27.299 27.306 27.309	30.925 30.980 31.038 31.094 31.145 31.197 31.252 31.304 31.357 31.408	27.236 27.245 27.256 27.266 27.271 27.278 27.286 27.292 27.299 27.302	90.2 89.4 88.4 87.5 86.5 85.2 84.6 84.2	14.355 14.445 14.533 14.621 14.709 14.795 14.882 14.967 15.052 15.136	90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4	1480.9 1481.0 1481.1 1481.1 1481.3 1481.3 1481.3 1481.3	7251.3 7393.8 7537.3 7681.6 7826.8 7972.8 8119.7 8267.4 8415.9 8565.3	12.5 13.1 11.0 17.2 7.5 4.3 6.1 8.1 6.4 5.5
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.6 972.5 982.4	4.098 4.065 4.123 4.104 4.047 4.031 4.004 3.975 3.947 3.908	4.030 3.997 4.053 4.034 3.976 3.959 3.932 3.902 3.874 3.834	34.415 34.433 34.440 34.439 34.442 34.447 34.451 34.453 34.459	27.318 27.322 27.330 27.337 27.342 27.347 27.354 27.359 27.364 27.373	31.463 31.513 31.566 31.619 31.671 31.721 31.775 31.826 31.878 31.933	27.311 27.315 27.322 27.330 27.335 27.339 27.346 27.352 27.357 27.365	83.4 83.1 82.6 81.9 81.4 81.1 80.4 80.0 79.5 78.7	15.220 15.304 15.386 15.469 15.550 15.632 15.712 15.792 15.872 15.951	90.4 90.4 90.4 90.3 90.3 90.3 90.4	1481.2 1481.7 1481.8 1481.7 1481.8 1481.9 1481.9 1482.0 1482.0	8715.5 8866.5 9018.4 9171.0 9324.5 9478.7 9633.8 9789.6 9946.2 10103.6	3.7 12.5 7.8 11.9 2.0 11.1 5.8 8.4 4.6 2.3

Station	57	Latitude	32° 26.	87'N	Longit	ude 127°	08.17'W	28	Aug 1989	GMT 18	3:35	Bottom	4425 m
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0 1180.0	992.3 1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.7 1150.4 1170.2	3.875 3.818 3.760 3.706 3.655 3.611 3.544 3.507 3.446 3.397	3.801 3.742 3.683 3.628 3.576 3.530 3.462 3.423 3.361 3.312	34.463 34.478 34.482 34.488 34.501 34.506 34.512 34.517	27.379 27.391 27.403 27.412 27.421 27.429 27.443 27.451 27.462 27.471	31.986 32.090 32.194 32.296 32.398 32.499 32.605 32.705 32.808 32.910	27.372 27.383 27.395 27.404 27.414 27.422 27.435 27.443 27.453 27.462	78.1 77.1 76.0 75.2 74.3 73.6 72.3 71.6 70.7 69.9	16.030 16.185 16.338 16.489 16.639 16.787 16.933 17.077 17.219 17.359	90.3 90.4 90.3 90.3 90.3 90.3 90.3 90.3	1482.0 1482.1 1482.2 1482.3 1482.4 1482.6 1482.6 1482.8 1482.9 1483.0	10261.7 10580.3 10902.0 11226.6 11554.1 11884.5 12217.9 12554.0 12893.0 13234.7	2.3 3.5 4.9 2.9 4.7 2.3 9.9 8.3
1200.0 1220.0 1240.0 1260.0 1300.0 1300.0 1340.0 1360.0 1380.0	1189.9 1209.7 1229.5 1249.2 1269.0 1288.7 1308.5 1328.2 1348.0 1367.7	3.367 3.327 3.283 3.249 3.190 3.151 3.106 3.055 3.029 2.987	3.280 3.239 3.194 3.159 3.098 3.058 3.012 2.960 2.932 2.889	34.520 34.523 34.527 34.528 34.531 34.536 34.537 34.540 34.543 34.547	27.476 27.482 27.490 27.502 27.509 27.514 27.521 27.526 27.533	33.007 33.106 33.205 33.301 33.403 33.502 33.600 33.700 33.796 33.896	27.468 27.474 27.481 27.485 27.501 27.506 27.513 27.518 27.525	69.4 68.9 68.2 67.9 67.1 66.4 65.9 64.8	17.499 17.637 17.774 17.910 18.045 18.179 18.311 18.442 18.573 18.702	90.4 90.3 90.3 90.3 90.3 90.4 90.3	1483.2 1483.4 1483.5 1483.7 1483.8 1484.0 1484.1 1484.2 1484.2 1484.5 1484.6	13579.1 13926.2 14276.0 14628.5 14983.7 15341.4 15701.7 16064.6 16430.1 16798.0	3.8 5.0 2.4 2.1 5.3 1.2 .4 1.0 2.1
1400.0 1420.0 1440.0 1460.0 1500.0 1500.0 1540.0 1560.0 1580.0	1387.5 1407.2 1426.9 1446.7 1466.4 1486.1 1505.9 1525.6 1545.3 1565.1	2.946 2.894 2.856 2.814 2.786 2.749 2.715 2.672 2.642 2.618	2.847 2.794 2.755 2.711 2.682 2.644 2.608 2.564 2.533 2.508	34.550 34.556 34.557 34.560 34.563 34.565 34.570 34.572 34.574 34.577	27.540 27.549 27.553 27.559 27.565 27.570 27.577 27.582 27.586 27.591	33.994 34.096 34.193 34.291 34.388 34.585 34.585 34.779 34.875	27.531 27.540 27.544 27.550 27.556 27.560 27.568 27.573 27.577 27.582	63.6 62.6 62.3 61.7 61.2 60.7 60.1 59.6 59.2 58.8	18.829 18.955 19.080 19.204 19.327 19.449 19.570 19.689 19.808 19.926	90.3 90.4 90.4 90.3 90.3 90.3 90.3 90.3	1484.8 1484.9 1485.1 1485.2 1485.6 1485.6 1486.0 1486.2 1486.4	17168.5 17541.4 17916.8 18294.6 18674.8 19057.3 19442.3 19829.5 20219.1 20610.9	4.5 4.5 4.5 2.8 -1.9 2.8 -1.5
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.5 1624.2 1643.9 1663.6 1683.3 1703.1 1722.8 1742.5 1762.2	2.591 2.565 2.533 2.496 2.437 2.417 2.389 2.369 2.345	2.479 2.452 2.418 2.377 2.349 2.319 2.298 2.269 2.247 2.222	34.578 34.582 34.585 34.587 34.590 34.592 34.593 34.597 34.598 34.600	27.594 27.600 27.605 27.610 27.615 27.619 27.622 27.628 27.630 27.633	34.970 35.067 35.164 35.262 35.357 35.454 35.645 35.739 35.834	27.585 27.590 27.595 27.601 27.605 27.609 27.612 27.617 27.620 27.623	58.5 58.0 57.5 57.0 56.6 56.1 55.9 55.4 55.2 54.9	20.043 20.160 20.275 20.390 20.503 20.616 20.728 20.839 20.950 21.060	90.3 90.3 90.3 90.3 90.2 90.3 90.3 90.3	1486.6 1486.8 1487.0 1487.2 1487.4 1487.6 1488.1 1488.3 1488.6	21005.1 21401.5 21800.1 22201.0 22604.1 23009.4 23416.8 23826.5 24238.2 24652.1	2.3 3.5 3.2 2.9 4.7 .9 -1.1
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1919.8 1939.4 1959.1	2.313 2.291 2.266 2.232 2.223 2.209 2.185 2.161 2.139 2.119	2.189 2.165 2.139 2.103 2.093 2.077 2.053 2.027 2.003 1.982	34.604 34.607 34.608 34.611 34.614 34.614 34.618 34.620 34.621	27.639 27.644 27.646 27.652 27.656 27.660 27.663 27.667 27.669	35.932 36.028 36.122 36.220 36.312 36.405 36.500 36.595 36.690 36.784	27.629 27.633 27.636 27.642 27.643 27.646 27.649 27.653 27.656 27.658	54.3 53.9 53.6 53.0 53.0 52.7 52.4 52.1 51.8 51.5	21.169 21.277 21.385 21.491 21.597 21.703 21.808 21.913 22.017 22.120	90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3	1488.8 1489.0 1489.3 1489.4 1489.7 1490.0 1490.3 1490.5 1490.7 1491.0	25068.1 25486.2 25906.4 26328.7 26328.7 27179.4 27607.8 28038.2 28470.7 28905.1	4.2 2.4 3.3 2.3 2.3 2.5 2.8 3.4
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2300.0 2350.0 2450.0	1978.8 2028.0 2077.2 2126.4 2175.6 2224.7 2273.9 2323.0 2372.1 2421.2	2.099 2.047 2.009 1.976 1.945 1.913 1.885 1.827 1.799	1.961 1.906 1.863 1.827 1.757 1.757 1.724 1.690 1.659	34.623 34.628 34.631 34.635 34.642 34.645 34.648 34.650 34.653	27.673 27.681 27.687 27.693 27.698 27.704 27.708 27.713 27.718 27.722	36.878 37.114 37.347 37.579 37.811 38.043 38.273 38.273 38.734 38.964	27.662 27.670 27.675 27.681 27.686 27.692 27.696 27.701 27.705 27.709	51.2 50.4 49.9 49.4 49.0 48.5 48.2 47.7	22.222 22.477 22.728 22.976 23.222 23.466 23.708 23.947 24.185 24.421	90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.2	1491.2 1491.8 1492.5 1493.2 1493.9 1494.6 1496.1 1496.8 1497.5	29341.5 30441.2 31553.1 32676.9 33812.6 34960.1 36119.3 37290.0 38472.2 39665.7	2.6 1.4 2.7 1.0 1.6 2.2
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2850.0 2900.0 2950.0	2470.3 2519.4 2568.5 2617.6 2666.6 27164.7 2813.7 2862.7 2911.7	1.776 1.751 1.732 1.720 1.694 1.675 1.658 1.645 1.633	1.600 1.571 1.547 1.531 1.501 1.478 1.456 1.439 1.423 1.405	34.655 34.657 34.659 34.663 34.665 34.666 34.667 34.668 34.668	27.726 27.730 27.733 27.736 27.740 27.742 27.745 27.748 27.749 27.752	39.192 39.421 39.648 39.874 40.102 40.329 40.554 40.780 41.004 41.229	27.713 27.717 27.719 27.722 27.725 27.728 27.730 27.733 27.734 27.736	46.7 46.2 46.1 45.7 45.5 45.2 45.2	24.655 24.888 25.119 25.350 25.580 25.808 26.035 26.262 26.488 26.714	90.3 90.2 90.2 90.3 90.3 90.3 90.2 90.2	1498.3 1499.0 1499.8 1500.6 1501.3 1502.8 1503.6 1504.4 1505.2	40870.5 42086.5 43313.6 44551.7 45800.9 47061.0 48332.0 49613.8 50906.4 52209.8	.0 1.0 1.3 2.2 1 3 5
3000.0 3050.0 3100.0 3150.0 3200.0 3250.0 3350.0 3400.0 3450.0	2960.7 3009.7 3058.6 3107.6 3156.5 3205.5 3254.4 3303.3 3352.2 3401.1	1.607 1.599 1.584 1.576 1.568 1.555 1.544 1.534 1.526 1.519	1.388 1.375 1.355 1.343 1.330 1.312 1.297 1.282 1.269 1.257	34.671 34.672 34.673 34.675 34.676 34.677 34.678 34.680 34.681	27.754 27.756 27.758 27.761 27.762 27.764 27.767 27.769 27.771	41.453 41.676 41.900 42.124 42.346 42.570 42.792 43.015 43.237 43.458	27.738 27.740 27.742 27.744 27.745 27.747 27.749 27.751 27.752 27.754	44.9 44.8 44.6 44.5 44.3 44.3 44.2	26.938 27.163 27.387 27.611 27.834 28.056 28.279 28.501 28.722 28.943	90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2	1506.0 1506.8 1507.6 1508.4 1509.3 1510.1 1510.9 1511.7 1512.5 1513.3	53523.9 54848.8 56184.3 57530.5 58887.3 60254.7 61632.6 63021.2 64420.2 65829.8	1.7 1.1 1.2 2.1 .7 1.3 .2 1.1
3500.0 3550.0 3600.0 3650.0 3700.0 3750.0 3800.0 3850.0 3900.0	3449.9 3498.8 3547.7 3596.5 3645.4 3694.2 3743.0 3791.8 3840.6 3889.4	1.510 1.503 1.500 1.495 1.493 1.491 1.491 1.492 1.495	1.243 1.231 1.223 1.214 1.206 1.199 1.194 1.188 1.184	34.683 34.685 34.685 34.687 34.688 34.688 34.689 34.690 34.690	27.774 27.776 27.777 27.779 27.780 27.781 27.782 27.783 27.784 27.784	43.680 43.901 44.121 44.341 44.560 44.779 44.997 45.215 45.433 45.650	27.755 27.757 27.758 27.759 27.759 27.761 27.761 27.761 27.762 27.762	44.1 44.0 44.1 44.1 44.3 44.3 44.4	29.164 29.384 29.604 29.824 30.045 30.265 30.486 30.708 30.930 31.152	90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2	1514.1 1515.0 1515.8 1516.6 1517.5 1518.3 1519.2 1520.1 1520.9 1521.8	67249.8 68680.3 70121.3 71572.6 73034.4 74506.7 75989.4 77482.5 78986.2 80500.3	.0 .7 2.2 1.9 4 .8 .9 .4
4000.0 4050.0 4100.0 4150.0 4200.0 4250.0 4350.0 4350.0 4450.0 4464.0	3938.1 3986.9 4035.6 4084.4 4133.1 4181.8 4230.5 4279.2 4327.9 4376.6 4390.2	1.496 1.499 1.501 1.505 1.508 1.512 1.516 1.520 1.525 1.531	1.177 1.174 1.171 1.169 1.167 1.164 1.163 1.162 1.160 1.161	34.691 34.692 34.692 34.692 34.693 34.693 34.693 34.693 34.693	27.785 27.786 27.786 27.787 27.787 27.787 27.787 27.788 27.788 27.788 27.788	45.867 46.084 46.300 46.516 46.731 46.947 47.161 47.376 47.376 47.803 47.864	27.763 27.763 27.763 27.763 27.763 27.763 27.762 27.762 27.762 27.761 27.761	44.7 44.8 45.0 45.3 45.4 45.7 45.9 46.3 46.3	31.375 31.599 31.823 32.049 32.275 32.502 32.729 32.958 33.188 33.419 33.484	90.1 90.2 90.1 90.2 90.1 90.1 90.1 90.1 90.1	1522.7 1523.5 1524.4 1525.3 1526.2 1527.0 1527.9 1528.8 1529.7 1530.6 1530.8	82025.0 83560.3 85106.1 86662.6 88229.7 89807.6 91396.1 92995.5 94605.6 96682.5	4 6 1.2 5 1.00 7 5 6

Station	58	Latitude	32. 39.	98'N	Longit	ude 126°	59.95'W	28	Aug 1989	GMT 2	2:24	Bottom	
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	.0 10.0 19.9 29.9 39.9 49.8 59.8 69.8 79.7	19.096 19.054 19.022 19.017 19.014 19.002 18.225 16.141 15.541 15.041	19.096 19.052 19.018 19.012 19.007 18.993 18.215 16.131 15.528 15.027	33.506 33.505 33.504 33.504 33.504 33.476 33.476 33.470 33.414	23.856 23.875 23.875 23.876 23.877 23.879 24.054 24.677 24.744	23.856 23.910 23.962 24.006 24.051 24.097 24.315 24.791 25.029 25.141	23.856 23.867 23.874 23.875 23.875 23.877 24.051 24.481 24.481 24.741	403.7 403.1 402.7 402.9 403.2 403.3 387.0 346.2 328.0 321.8	.000 .404 .806 1.209 1.612 2.016 2.409 2.777 3.115 3.439	89.9 89.8 89.8 89.8 89.8 89.8	1517.9 1517.9 1518.0 1518.1 1518.3 1518.4 1516.3 1510.1 1508.5 1507.0	2.0 8.0 18.1 32.2 50.2 72.3 98.2 127.5	13.8 1.0 1.3 -2.1 23.1 43.5 283.8 182.1 74.6
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.3 179.3 189.2	14.990 14.520 13.765 13.299 12.909 12.302 11.780 11.571 10.947 10.354	14.975 14.504 13.748 13.281 12.890 12.283 11.760 11.550 10.926 10.332	33.549 33.515 33.468 33.466 33.481 33.448 33.491 33.644 33.703	24.860 24.935 25.056 25.149 25.239 25.331 25.463 25.594 25.733 25.883	25.301 25.421 25.588 25.727 25.862 26.000 26.178 26.354 26.354 26.738	24.857 24.931 25.052 25.146 25.235 25.327 25.459 25.729 25.729 25.879	311.1 304.2 292.8 284.1 275.8 267.1 254.7 242.4 229.2 215.0	3.756 4.064 4.363 4.651 4.932 5.205 5.463 5.711 6.168	90.0 90.0 90.3 90.4 90.4 90.8 90.6 90.8	1507.2 1505.8 1503.5 1502.1 1500.9 1499.0 1497.4 1497.0 1495.0 1493.1	196.0 234.9 276.9 321.8 369.4 419.9 473.0 528.5 586.5 646.7	74.6 99.4 48.0 26.6 65.5 242.5 166.0 157.0 106.0
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 248.8 258.8 268.7 278.6 288.6	9.958 9.691 9.494 9.188 8.971 8.765 8.552 8.371 8.221 8.062	9.935 9.667 9.470 9.163 8.946 8.739 8.525 8.343 8.192 8.033	33.756 33.783 33.816 33.870 33.935 33.955 33.969 33.984 33.989	25.992 26.057 26.116 26.208 26.293 26.341 26.385 26.425 26.452 26.477	26.893 27.004 27.109 27.248 27.379 27.564 27.564 27.722 27.795	25.988 26.053 26.112 26.204 26.289 26.381 26.420 26.447 26.473	204.8 198.7 193.2 184.6 176.6 172.1 168.1 164.4 162.0	6.378 6.580 6.776 6.964 7.144 7.319 7.490 7.656 7.819 7.979	90.8 90.7 90.8 90.6 90.6 90.7 90.8 90.7	1491.9 1491.1 1490.6 1489.7 1489.1 1488.5 1487.9 1487.4 1487.0 1486.6	709.1 773.5 839.9 908.2 978.3 1050.1 1123.7 1198.9 1275.8 1354.3	43.9 69.9 61.6 72.7 87.9 56.6 22.0 44.2 14.3
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.2 358.1 368.0 377.9 387.9	7.914 7.825 7.677 7.565 7.424 7.313 7.123 6.929 6.801 6.621	7.884 7.794 7.646 7.533 7.391 7.279 7.089 6.895 6.766 6.586	33.994 33.995 33.998 34.002 34.003 34.004 34.008 34.010 34.009 34.010	26.501 26.515 26.539 26.558 26.579 26.596 26.626 26.626 26.653 26.670 26.695	27.865 27.925 27.995 28.060 28.128 28.190 28.268 28.342 28.406 28.478	26.497 26.511 26.534 26.554 26.575 26.591 26.621 26.649 26.665 26.690	157.4 156.2 154.0 152.3 150.3 148.9 146.1 143.5 141.9 139.6	8.138 8.295 8.450 8.603 8.755 8.904 9.052 9.197 9.339 9.480	90.6 90.6 90.6 90.6 90.5 90.5 90.5	1486.2 1486.0 1485.6 1485.3 1484.7 1484.7 1484.1 1483.5 1483.2 1482.6	1434.3 1515.9 1599.0 1683.7 1769.9 1857.6 1946.7 2037.3 2129.3 2222.7	22.4 23.9 11.9 26.5 15.1 20.6 43.4 7.1 27.0 19.9
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.3 477.2 487.1	6.486 6.311 6.128 6.050 5.958 5.860 5.770 5.649 5.555 5.426	6.450 6.275 6.091 6.013 5.920 5.821 5.731 5.610 5.515 5.385	34.012 34.009 34.015 34.025 34.031 34.034 34.043 34.043 34.047 34.054	26.715 26.735 26.763 26.781 26.797 26.811 26.830 26.844 26.859 26.880	28.544 28.612 28.687 28.751 28.814 28.875 28.941 29.002 29.004 29.132	26.710 26.730 26.758 26.776 26.792 26.807 26.825 26.840 26.854 26.875	137.7 135.8 133.1 131.5 130.0 128.7 127.0 125.6 124.2 122.2	9.619 9.756 9.890 10.023 10.153 10.283 10.411 10.537 10.662 10.785	90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4	1482.2 1481.7 1481.1 1481.0 1480.8 1480.6 1480.4 1480.1 1480.1 1479.8	2317.4 2413.6 2511.1 2609.9 2710.0 2811.3 2914.0 3017.9 3123.0 3229.4	19.0 33.3 22.7 11.3 11.0 13.3 12.7 9.5 21.8 15.6
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.8 526.8 536.7 546.6 556.5 566.4 576.3	5.374 5.294 5.228 5.141 5.059 4.989 4.963 4.963 4.955 4.909	5.333 5.253 5.186 5.098 5.016 4.945 4.919 4.918 4.909 4.863	34.058 34.068 34.074 34.088 34.096 34.104 34.125 34.140 34.157 34.168	26.890 26.907 26.920 26.941 26.956 26.971 26.991 27.003 27.017 27.032	29.188 29.252 29.311 29.379 29.441 29.503 29.568 29.627 29.687 29.747	26.885 26.902 26.915 26.936 26.951 26.966 26.986 26.998 27.012 27.027	121.3 119.8 118.6 116.6 115.2 113.8 112.1 111.0 109.8 108.5	10.906 11.027 11.146 11.264 11.379 11.494 11.607 11.719 11.829 11.938	90.5 90.5 90.5 90.5 90.4 90.7 90.5 90.4	1479.4 1479.3 1479.2 1479.0 1478.9 1478.8 1478.8 1479.0 1479.2 1479.2	3337.0 3445.8 3555.7 3666.8 3779.1 3892.5 4007.0 4122.6 4239.4 4357.2	13.0 20.6 7.1 22.9 9.7 14.4 17.3 13.8 13.2 12.7
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0 690.0	596.2 606.1 616.0 625.9 635.8 645.7 655.6 665.5 675.4 685.3	4.883 4.883 4.837 4.763 4.729 4.647 4.607 4.579 4.535 4.491	4.835 4.835 4.788 4.713 4.679 4.596 4.556 4.527 4.483 4.438	34.188 34.206 34.224 34.226 34.232 34.236 34.243 34.253 34.270 34.280	27.050 27.065 27.084 27.094 27.103 27.115 27.125 27.136 27.154 27.167	29.812 29.872 29.937 29.995 30.049 30.108 30.165 30.223 30.287 30.346	27.045 27.059 27.078 27.089 27.097 27.109 27.119 27.131 27.148 27.162	106.8 105.6 103.8 102.8 102.1 100.9 100.1 99.0 97.4 96.2	12.045 12.151 12.256 12.359 12.462 12.564 12.664 12.764 12.862 12.959	90.4 90.4 90.4 90.4 90.4 90.4 90.3 90.4	1479.2 1479.4 1479.4 1479.3 1479.2 1479.2 1479.2 1479.2 1479.2	4476.0 4595.9 4716.9 4838.9 4961.9 5085.9 5210.8 5336.8 5463.8 5591.7	15.9 12.1 13.3 9.7 6.5 11.8 8.3 17.4 7.1
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0	695.3 705.2 715.1 725.0 734.9 754.7 764.6 774.5 784.4	4.483 4.399 4.380 4.248 4.248 4.244 4.205 4.178 4.182	4.429 4.345 4.325 4.248 4.192 4.211 4.187 4.147 4.119 4.123	34.288 34.290 34.298 34.306 34.314 34.328 34.339 34.348 34.354 34.354	27.175 27.185 27.194 27.208 27.220 27.229 27.241 27.253 27.260 27.265	30.399 30.457 30.512 30.574 30.632 30.687 30.744 30.802 30.856 30.907	27.169 27.179 27.188 27.202 27.214 27.223 27.235 27.247 27.254 27.259	94.5 93.8 92.4 91.3 90.6 89.6 88.5 87.8	13.055 13.150 13.244 13.337 13.429 13.520 13.610 13.699 13.787 13.875	90.4 90.4 90.4 90.5 90.4 90.4 90.4 90.5	1479.4 1479.2 1479.3 1479.1 1479.1 1479.4 1479.4 1479.5 1479.7	5720.5 5850.3 5981.0 6112.7 6245.2 6378.7 6513.0 6648.2 6784.3 6921.3	9.5 11.5 3.3 15.0 6.5 10.9 7.4 6.5 9.8 6.0
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 890.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.152 4.074 4.062 4.053 4.023 4.017 4.010 3.953 3.933 3.914	4.092 4.013 4.001 3.991 3.960 3.954 3.946 3.888 3.868	34.367 34.365 34.371 34.374 34.380 34.387 34.396 34.396 34.399 34.405	27.273 27.280 27.285 27.289 27.297 27.304 27.311 27.317 27.322 27.328	30.961 31.015 31.067 31.116 31.170 31.223 31.276 31.329 31.380 31.433	27.267 27.274 27.279 27.282 27.290 27.297 27.304 27.310 27.315 27.322	86.1 85.6 85.4 84.7 84.1 83.5 82.9 82.5	13.962 14.049 14.134 14.220 14.305 14.389 14.473 14.556 14.639 14.721	90.4 90.4 90.4 90.6 90.4 90.4 90.4 90.4	1479.7 1479.6 1479.7 1479.8 1479.9 1480.0 1480.2 1480.1 1480.2 1480.3	7059.1 7197.7 7337.2 7477.6 7618.7 7760.8 7903.6 8047.2 8191.7 8337.0	10.6 3.3 .4 6.0 5.1 9.2 4.5 5.1 3.6 3.4
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.0 922.9 932.8 942.7 952.6 962.5 972.4 982.3	3.942 3.914 3.919 3.863 3.818 3.798 3.757 3.749 3.731	3.875 3.846 3.850 3.794 3.748 3.728 3.715 3.685 3.677 3.658	34.416 34.425 34.425 34.426 34.433 34.437 34.437 34.445 34.452	27.334 27.337 27.344 27.350 27.355 27.363 27.367 27.376 27.383 27.389	31.483 31.533 31.585 31.638 31.690 31.744 31.794 31.849 31.901 31.953	27.328 27.330 27.337 27.343 27.348 27.356 27.360 27.369 27.376 27.381	81.3 80.8 80.2 79.7 79.0 78.7 77.8 77.3	14.803 14.884 14.966 15.046 15.126 15.205 15.284 15.362 15.440 15.517	90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4	1480.6 1480.6 1480.8 1480.7 1480.7 1480.8 1480.9 1481.0 1481.1	8483.1 8630.0 8777.6 8926.1 9075.3 9225.4 9376.2 9527.8 9680.1 9833.2	7.5 3.4 7.8 8.7 2.5 5.1 5.7 5.5 5.5

Station	58	Latitude	32° 39.	.98'N	Longit	ude 126°	59.95'W	2	8 Aug 198	GMT 2	2:24	Bottom	4400 m
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta	Dyn.Ht	LTR	sv	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1180.0 1120.0 1140.0 1160.0 1180.0	992.2 1012.0 1031.7 1051.5 1071.3 1091.1 1110.8 1130.6 1150.4 1170.1	3.734 3.668 3.637 3.573 3.526 3.484 3.4460 3.422 3.360 3.337	3.661 3.593 3.561 3.496 3.447 3.404 3.379 3.340 3.276 3.252	34.464 34.477 34.480 34.486 34.486 34.501 34.501 34.508 34.510	27.395 27.405 27.415 27.423 27.433 27.445 27.460 27.468 27.473	32.005 32.108 32.210 32.311 32.413 32.514 32.616 32.717 32.818 32.915	27.387 27.398 27.407 27.416 27.425 27.434 27.444 27.453 27.460 27.465	76.3 75.4 74.6 73.8 72.1 71.3 70.5 69.8 69.4	15.593 15.745 15.895 16.043 16.190 16.335 16.479 16.620 16.761 16.900	90.4 90.4 90.4 90.4 90.3 90.4 90.5 90.3	m/s 1481.4 1481.5 1481.7 1481.9 1482.0 1482.3 1482.5 1482.8	9987.0 10297.0 10609.8 10925.6 11244.3 11565.8 11890.2 12217.3 12547.2	14.3 6.9 2.3 5.8 7.8 4.6 7.0 8.8 1.1 2.3
1200.0 1220.0 1240.0 1260.0 1300.0 1300.0 1340.0 1360.0 1380.0	1189.9 1209.6 1229.4 1249.2 1268.9 1288.7 1308.4 1328.2 1347.9 1367.6	3.293 3.244 3.200 3.151 3.125 3.086 3.043 3.007 2.984 2.959	3.207 3.157 3.112 3.061 3.034 2.993 2.949 2.912 2.888 2.861	34.519 34.522 34.526 34.531 34.533 34.541 34.544 34.544 34.548	27.482 27.489 27.497 27.505 27.509 27.523 27.523 27.533 27.533	33.015 33.115 33.215 33.316 33.412 33.512 33.610 33.709 33.805 33.900	27.474 27.481 27.488 27.497 27.501 27.508 27.514 27.520 27.524 27.528	68.6 68.0 67.3 66.5 66.2 65.5 64.4 64.1	17.038 17.174 17.310 17.443 17.576 17.708 17.838 17.967 18.096 18.224	90.4 90.3 90.4 90.4 90.3 90.4 90.3	1482.9 1483.0 1483.2 1483.5 1483.7 1483.9 1484.0 1484.3	13215.1 13553.1 13893.8 14237.1 14582.9 14931.4 15282.4 15635.9 15992.0 16350.5	4.4 2.9 3.3 3.5 1.8 4.7 4.5 3.7
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.4 1407.1 1426.9 1446.6 1466.3 1486.1 1505.8 1525.5 1545.3	2.933 2.900 2.860 2.824 2.790 2.754 2.729 2.690 2.656 2.617	2.834 2.800 2.759 2.722 2.686 2.648 2.622 2.583 2.547 2.507	34.552 34.554 34.557 34.563 34.566 34.568 34.571 34.574	27.542 27.547 27.553 27.558 27.564 27.570 27.574 27.580 27.585 27.591	33.997 34.094 34.192 34.290 34.388 34.486 34.581 34.679 34.777 34.875	27.533 27.538 27.544 27.549 27.555 27.561 27.564 27.570 27.576 27.582	63.3 62.9 62.3 61.8 61.3 60.7 69.9 59.3 58.8	18.351 18.477 18.602 18.726 18.849 18.971 19.093 19.213 19.332 19.450	90.4 90.3 90.4 90.3 90.3 90.3 90.4 90.3	1484.7 1484.9 1485.1 1485.3 1485.5 1485.9 1486.0 1486.2 1486.2	16711.5 17075.0 17440.9 17809.3 18180.0 18553.1 18928.6 19306.5 19366.6 20069.1	1.6 1.9 4.8 2.8 4.0 3.1 4.8 3.1
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.7 1604.4 1624.1 1643.8 1663.6 1683.3 1703.0 1722.7 1742.4 1762.1	2.593 2.566 2.534 2.508 2.481 2.458 2.422 2.398 2.370 2.355	2.481 2.453 2.420 2.393 2.364 2.340 2.303 2.277 2.248 2.232	34.579 34.582 34.584 34.586 34.589 34.591 34.594 34.598 34.601	27.595 27.599 27.604 27.608 27.613 27.617 27.621 27.626 27.630 27.634	34.971 35.066 35.163 35.258 35.355 35.450 35.548 35.643 35.643 35.739	27.586 27.590 27.594 27.598 27.603 27.606 27.612 27.616 27.620 27.624	58.4 58.1 57.6 57.3 56.8 56.5 56.0 55.2 54.9	19.567 19.684 19.800 19.914 20.029 20.142 20.254 20.366 20.476 20.587	90.4 90.3 90.3 90.3 90.3 90.3 90.3 90.3	1486.6 1486.8 1487.0 1487.3 1487.5 1487.7 1487.9 1488.1 1488.4 1488.6	20453.9 20840.9 21230.2 21621.7 22015.4 22411.3 22809.4 23209.7 23612.1 24016.7	2.0 7.0 .8 1.1 .9 5.8 2.9 4.7 2.4
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0	1781.8 1801.5 1821.2 1840.9 1860.6 1880.3 1900.0 1919.7 1939.4 1959.0	2.327 2.287 2.261 2.227 2.207 2.187 2.159 2.140 2.117 2.093	2.202 2.162 2.134 2.099 2.077 2.056 2.027 2.006 1.982 1.956	34.604 34.606 34.608 34.612 34.612 34.617 34.619 34.621 34.623	27.638 27.644 27.647 27.655 27.655 27.663 27.666 27.669 27.669	35.930 36.028 36.123 36.219 36.314 36.408 36.504 36.599 36.694 36.789	27.628 27.633 27.637 27.641 27.645 27.648 27.652 27.655 27.659 27.662	54.4 53.9 53.5 53.1 52.7 52.5 52.0 51.7	20.696 20.804 20.911 21.018 21.124 21.229 21.334 21.437 21.541 21.643	90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3	1488.8 1489.0 1489.2 1489.4 1489.7 1489.9 1490.1 1490.6 1490.9	24423.4 24832.2 25243.0 25656.0 26671.0 26488.0 26907.1 27328.1 27751.2 28176.3	2.4 1.5 2.1 2 1.6 3.3 1.9 2.5
2000.0 2050.0 2150.0 2150.0 2200.0 2300.0 2350.0 2400.0 2450.0	1978.7 2027.9 2077.1 2126.3 2175.5 2224.6 2273.8 2322.9 2372.0 2421.1	2.074 2.039 1.998 1.956 1.920 1.895 1.871 1.847 1.822	1.937 1.898 1.853 1.807 1.768 1.739 1.711 1.683 1.653	34.625 34.628 34.633 34.640 34.643 34.645 34.647 34.650 34.650	27.676 27.682 27.689 27.696 27.701 27.706 27.709 27.714 27.718 27.722	36.883 37.115 37.350 37.584 37.816 38.046 38.275 38.505 38.735 38.963	27.665 27.671 27.678 27.684 27.690 27.694 27.697 27.701 27.705 27.709	50.8 50.3 49.7 49.0 48.6 48.2 48.0 47.6 47.3	21.745 21.997 22.247 22.494 22.738 22.980 23.221 23.459 23.697 23.933	90.2 90.3 90.2 90.2 90.2 90.2 90.2 90.2	1491.1 1491.8 1492.5 1493.1 1493.8 1494.6 1495.3 1496.0 1496.8 1497.5	28603.3 29679.4 30767.6 31867.7 32979.7 34103.3 35238.5 36385.3 37543.5 38713.0	.2 2.3 2.1 2.7 2.4 2.5 -1.5 2.3
2500.0 2550.0 2600.0 2650.0 2750.0 2750.0 2800.0 2850.0 2900.0	2470.2 2519.3 2568.4 2617.4 2666.5 2715.5 2764.6 2813.6 2862.6 2911.6	1.782 1.763 1.743 1.722 1.702 1.685 1.669 1.650 1.635	1.606 1.582 1.558 1.533 1.509 1.488 1.467 1.444 1.425	34.654 34.656 34.660 34.662 34.663 34.665 34.665 34.667 34.667	27.725 27.728 27.731 27.735 27.738 27.740 27.744 27.746 27.749 27.752	39.191 39.418 39.646 39.873 40.100 40.326 40.552 40.778 41.003 41.228	27.712 27.715 27.718 27.721 27.724 27.726 27.729 27.731 27.734 27.736	46.9 46.4 46.2 45.9 45.6 45.4 45.2 45.1	24.168 24.401 24.634 24.866 25.096 25.325 25.554 25.781 26.008 26.234	90.3 90.3 90.2 90.3 90.2 90.2 90.2 90.2	1498.3 1499.1 1499.8 1500.6 1501.3 1502.1 1502.9 1503.6 1504.4 1505.2	39893.8 41085.9 42289.1 43503.5 44728.8 45965.2 47212.5 48470.8 49739.8 51019.7	1.5 2 .4 1.6 2.5 -1.2 1.4 -1.7
3000.0 3050.0 3096.0	2960.6 3009.6 3054.6	1.612 1.600 1.593	1.392 1.376 1.364	34.670 34.672 34.673	27.753 27.756 27.757	41.452 41.676 41.881	27.737 27.740 27.741	45.1 44.9 44.9	26.459 26.684 26.891	90.2 90.2 90.1	1506.0 1506.8 1507.6	52310.3 53611.6 54818.3	4 .2 .0

Station	59	Latitude	32 53	.82'N	Longit	tude 126°	52.05'W	2:	9 Aug 198	9 GMT C	1:52	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-1 kg/m ³	9 Sigma-z kg/m ³	sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0	10.0 19.9 29.9 39.9 49.8 59.8 69.8 79.7	19.196 19.189 19.193 19.184 19.169 19.160 18.649 16.351 15.867	19.196 19.187 19.190 19.179 19.157 19.160 19.149 18.637 16.339 15.853	33.599 33.600 33.600 33.611 33.620 33.626 33.723 33.518 33.549	23.902 23.905 23.904 23.907 23.921 23.927 23.937 24.138 24.531 24.666	23.902 23.948 23.991 24.037 24.095 24.144 24.195 24.482 25.061	23.902 23.904 23.903 23.906 23.919 23.925 23.932 24.135 24.528 24.663	399.4 399.5 399.9 400.0 399.0 398.8 398.5 379.4 342.0 329.4	.000 -400 .799 1.199 1.599 1.998 2.397 2.788 3.145 3.481	89.7 89.6 89.6 89.8 89.8 89.6 89.8	1518.2 1518.4 1518.6 1518.8 1519.0 1519.2 1518.1 1519.2	2.0 8.0 17.9 31.9 49.8 71.7 97.5 127.1	3.0 -4.1 -7.3 29.0 5.3 116.0 662.3 77.5 158.8
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	15.671 15.288 14.419 14.045 13.482 12.963 12.558 11.310 10.717 9.973	15.655 15.272 14.401 14.027 13.463 12.943 12.537 11.289 10.695 9.951	33.612 33.699 33.626 33.611 33.608 33.572 33.576 33.580	24.759 24.911 25.042 25.132 25.225 25.326 25.392 25.721 25.851	25.198 25.395 25.572 25.707 25.846 25.993 26.105 26.374 26.530 26.708	24.755 24.907 25.038 25.128 25.221 25.322 25.388 25.608 25.718 25.848	320.9 306.7 294.3 286.0 277.2 267.7 261.6 240.6 230.3 217.8	3.805 4.119 4.421 4.713 4.994 5.266 5.530 5.781 6.016 6.239	89.8 89.9 90.1 90.2 90.3 90.5 90.5	1509.4 1508.5 1504.8 1504.8 1501.4 1500.2 1496.0 1494.1	196.4 235.9 278.4 323.9 372.2 423.2 476.9 533.2 591.9 652.8	47.8 124.2 138.4 193.4 120.9 131.7 165.3 177.1 181.3 69.0
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 248.8 258.8 268.7 278.6 288.6	9.510 9.198 9.007 8.836 8.649 8.420 8.188 8.023 7.874 7.711	9.488 9.175 8.983 8.812 8.624 8.161 7.996 7.847 7.682	33.627 33.730 33.795 33.855 33.900 33.959 33.959 33.969 33.975 33.982	25.965 26.096 26.178 26.252 26.316 26.433 26.465 26.492 26.522	26.868 27.046 27.173 27.293 27.404 27.614 27.614 27.692 27.765 27.841	25.962 26.093 26.174 26.248 26.312 26.376 26.429 26.461 26.487 26.517	207.1 194.8 187.1 180.3 174.3 168.2 163.3 160.4 158.0 155.2	6.452 6.652 6.843 7.026 7.203 7.374 7.540 7.701 7.860 8.017	90.5 90.5 90.6 90.6 90.6 90.5 90.5 90.6	1490.1 1489.2 1488.7 1488.4 1487.9 1487.2 1486.5 1486.1 1485.7 1485.2	715.9 781.0 848.1 917.0 987.7 1060.1 1134.2 1209.9 1287.2 1366.1	204.5 72.7 100.8 88.8 39.2 56.5 21.0 27.4 17.4 32.9
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.1 358.1 368.0 377.9 387.9	7.516 7.332 7.158 7.031 6.916 6.786 6.677 6.508 6.482 6.369	7.487 7.302 7.128 7.000 6.885 6.753 6.644 6.475 6.448 6.335	33.985 33.987 33.989 33.988 33.989 33.991 33.997 33.993 34.011 34.013	26.551 26.579 26.605 26.622 26.638 26.657 26.657 26.696 26.714 26.730	27.917 27.992 28.065 28.128 28.191 28.257 28.323 28.389 28.452 28.515	26.547 26.575 26.601 26.617 26.634 26.653 26.673 26.692 26.709 26.726	152.4 149.8 147.4 145.9 144.4 142.6 140.9 139.0 137.6 136.0	8.171 8.322 8.471 8.618 8.763 8.906 9.048 9.188 9.188 9.326 9.463	90.5 90.4 90.4 90.4 90.4 90.3 90.3	1484.6 1484.1 1483.6 1483.9 1482.9 1482.6 1482.3 1481.8 1481.9	1446.5 1528.3 1611.7 1696.6 1782.8 1870.5 1959.7 2050.2 2142.0 2235.3	30.3 32.9 22.0 19.6 19.3 9.9 21.0 19.6 28.1 18.7
400.0 410.0 420.0 430.0 440.0 450.0 470.0 480.0 490.0	397.8 407.7 417.6 427.5 437.5 447.4 457.3 467.2 477.1	6.250 6.209 6.070 6.035 5.915 5.812 5.762 5.655 5.602 5.486	6.215 6.173 6.034 5.998 5.877 5.774 5.723 5.615 5.562 5.446	34.015 34.029 34.030 34.048 34.053 34.067 34.067 34.073 34.080	26.747 26.764 26.782 26.798 26.816 26.850 26.863 26.874 26.894	28.579 28.642 28.707 28.769 28.833 28.897 28.960 29.020 29.078 29.145	26.743 26.759 26.778 26.793 26.811 26.828 26.845 26.858 26.858 26.869	134.5 133.0 131.3 129.9 128.2 126.6 125.1 123.9 122.9 121.0	9.598 9.732 9.864 9.995 10.124 10.251 10.377 10.502 10.625 10.747	90.3 90.3 90.3 90.2 90.2 90.2 90.2 90.2	1481.3 1480.9 1480.6 1480.4 1480.4 1480.1 1480.1	2329.9 2425.8 2523.0 2621.5 2721.4 2822.4 2924.8 3028.3 3133.1 3239.1	23.3 7.8 18.9 16.9 32.4 11.9 76.2 15.6
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.8 526.7 536.7 546.6 556.4 576.3 586.2	5.407 5.279 5.201 5.073 5.038 5.037 4.977 4.874 4.804 4.749	5.366 5.238 5.159 5.030 4.995 4.993 4.932 4.829 4.759 4.703	34.081 34.086 34.094 34.102 34.110 34.136 34.148 34.151 34.153 34.159	26.904 26.924 26.939 26.960 26.970 26.991 27.007 27.022 27.032 27.042	29.202 29.268 29.331 29.399 29.455 29.522 29.585 29.703 29.760	26.899 26.919 26.934 26.955 26.965 27.002 27.017 27.026 27.037	120.1 118.2 116.8 114.7 113.9 112.0 110.5 109.1 108.2 107.3	10.868 10.987 11.104 11.220 11.334 11.447 11.559 11.668 11.777 11.885	90.2 90.2 90.2 90.2 90.3 90.2 90.3 90.3	1479.6 1479.3 1479.1 1478.8 1478.8 1479.0 1478.9 1478.5 1478.5	3346.3 3454.7 3564.2 3674.9 3786.7 3899.7 4013.7 4128.8 4245.0 4362.3	24.4 6.2 21.4 6.8 11.2 13.5 20.6 13.5 11.5
600.0 610.0 620.0 630.0 640.0 650.0 670.0 680.0 690.0	596.1 606.0 616.0 625.9 635.8 645.6 655.6 665.5 675.4 685.3	4.703 4.655 4.621 4.602 4.585 4.539 4.509 4.477 4.456 4.417	4.656 4.608 4.573 4.553 4.536 4.489 4.458 4.458 4.426 4.404 4.364	34.168 34.178 34.191 34.202 34.218 34.223 34.223 34.233 34.243 34.250 34.262	27.055 27.068 27.082 27.093 27.107 27.117 27.128 27.139 27.147 27.161	29.819 29.878 29.939 29.996 30.056 30.112 30.170 30.227 30.282 30.342	27.050 27.063 27.076 27.087 27.102 27.111 27.122 27.134 27.142 27.156	106.1 104.9 103.7 102.7 101.4 100.6 98.6 97.9 96.6	11.992 12.097 12.201 12.304 12.407 12.507 12.608 12.707 12.805 12.902	90.2 90.3 90.2 90.2 90.2 90.2 90.2 90.2	1478.5 1478.5 1478.6 1478.7 1478.7 1478.7 1478.8 1478.9 1478.9	4480.7 4600.0 4720.4 4841.9 4964.3 5087.8 5212.2 5337.6 5464.0 5591.3	15.3 27.9 3.5 10.0 13.8 16.7 9.1 14.1 13.8 10.9
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0	695.2 705.1 715.0 724.9 734.8 744.7 764.5 774.5	4.381 4.352 4.333 4.291 4.263 4.229 4.212 4.189 4.169	4.328 4.298 4.279 4.236 4.207 4.194 4.171 4.154 4.131 4.109	34.273 34.282 34.289 34.298 34.306 34.311 34.322 34.327 34.334 34.342	27.174 27.184 27.191 27.203 27.212 27.218 27.229 27.235 27.243 27.251	30.400 30.457 30.511 30.569 30.624 30.676 30.732 30.785 30.839 30.893	27.168 27.178 27.186 27.197 27.206 27.212 27.222 27.222 27.229 27.236 27.245	95.5 94.6 93.9 92.9 92.1 91.6 90.2 89.5 88.7	12.998 13.093 13.188 13.281 13.373 13.465 13.557 13.647 13.737	90.2 90.3 90.2 90.2 90.2 90.2 90.2 90.2	1478.9 1479.0 1479.1 1479.1 1479.1 1479.2 1479.3 1479.4 1479.5 1479.6	5719.6 5848.8 5979.0 6110.1 6242.1 6375.0 6508.8 6643.4 6779.0 6915.5	14.1 1.5 13.0 10.3 7.1 9.2 11.2 4.8 8.3 7.1
800.0 810.0 820.0 830.0 840.0 850.0 860.0 860.0 890.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.5 873.5 883.3	4.122 4.108 4.099 4.083 4.065 4.046 4.024 3.995 3.979	4.062 4.047 4.037 4.021 4.002 3.983 3.959 3.930 3.913 3.895	34.348 34.353 34.362 34.369 34.377 34.382 34.391 34.398 34.404 34.409	27.261 27.266 27.275 27.282 27.290 27.297 27.306 27.315 27.321 27.327	30.949 31.001 31.055 31.109 31.163 31.215 31.271 31.326 31.378 31.430	27.254 27.260 27.268 27.276 27.283 27.290 27.300 27.308 27.314 27.320	87.9 87.7 86.0 85.4 84.0 83.2 82.7 82.2	13.914 14.002 14.089 14.175 14.261 14.346 14.430 14.514 14.597 14.679	90.3 90.2 90.2 90.2 90.2 90.2 90.2 90.2	1479.6 1479.7 1479.8 1479.9 1480.0 1480.1 1480.2 1480.3 1480.4	7052.8 7191.0 7330.0 7469.9 7610.6 7752.2 7894.6 8037.9 8181.9 8326.8	7.1 6.3 6.8 4.2 6.3 7.1 10.1 3.1 5.4
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.2 903.1 913.0 922.9 932.8 942.7 952.6 962.5 972.4 982.3	3.936 3.901 3.885 3.869 3.855 3.829 3.806 3.791 3.754 3.734	3.869 3.834 3.817 3.800 3.786 3.759 3.735 3.720 3.682 3.661	34.415 34.422 34.427 34.433 34.441 34.445 34.449 34.451 34.456 34.460	27.334 27.343 27.349 27.355 27.364 27.369 27.375 27.378 27.386 27.391	31.483 31.539 31.591 31.643 31.697 31.749 31.801 31.850 31.904 31.956	27.327 27.336 27.342 27.349 27.357 27.362 27.368 27.371 27.379 27.384	81.6 80.7 80.2 79.7 79.0 78.5 77.7 77.0 76.6	14.761 14.842 14.923 15.003 15.082 15.161 15.239 15.317 15.394 15.471	90.2 90.2 90.2 90.2 90.2 90.2 90.1 90.2 90.3	1480.5 1480.6 1480.7 1480.8 1480.9 1481.0 1481.1 1481.1	8472.4 8618.9 8766.2 8914.2 9063.0 9212.6 9363.0 9514.1 9666.0 9818.6	4.8 4.5 5.7 9.2 10.7 5.4 7.8 6.6 6.9

Station		Latitude	32° 53.8	Sal Sal	Longitu				Aug 1989		52 5V	Bottom TF	4350 m N ²
Pres. db	Depth m	Temp.	*C	0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	108m3/kg	Dyn.Ht J/kg	LTR 0/0	m/s	m ³ /s ²	10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0 1120.0 1140.0 1160.0	992.2 1011.9 1031.7 1051.5 1071.3 1091.0 1110.8 1130.6 1150.3 1170.1	3.709 3.663 3.618 3.575 3.533 3.487 3.443 3.339 3.339	3.636 3.588 3.542 3.498 3.454 3.407 3.362 3.308 3.256 3.226	34.463 34.470 34.475 34.481 34.486 34.490 34.504 34.509 34.513	27.496 27.415 27.424 27.422 27.432 27.440 27.440 27.460 27.470 27.475	32.007 32.109 32.210 32.312 32.412 32.513 32.614 32.717 32.820 32.917	27.388 27.399 27.407 27.416 27.424 27.432 27.441 27.452 27.462 27.467	76.1 75.2 74.5 73.7 73.0 72.3 71.5 70.5 69.6 69.1	15.547 15.699 15.849 15.997 16.143 16.288 16.432 16.574 16.714 16.853	90.2 90.2 90.3 90.2 90.2 90.2 90.2 90.2	1481.3 1481.4 1481.6 1481.7 1482.0 1482.2 1482.3 1482.4 1482.6	9972.0 10281.0 10593.0 10907.8 11225.6 11546.2 11869.6 12195.8 12524.8 12856.5	5.8 4.3 6.7 4.5 4.6 11.1 3.2 2.6 4.7
1200.0 1220.0 1240.0 1260.0 1300.0 1300.0 1320.0 1340.0 1360.0	1189.9 1209.6 1229.4 1249.1 1268.9 1288.6 1308.4 1328.1 1347.9 1367.6	3.270 3.242 3.203 3.158 3.123 3.082 3.044 3.008 2.982 2.951	3.184 3.155 3.114 3.068 3.031 2.990 2.951 2.986 2.886 2.854	34.517 34.520 34.525 34.529 34.532 34.536 34.539 34.543 34.545 34.545	27.483 27.488 27.495 27.503 27.508 27.516 27.521 27.528 27.532 27.538	33.017 33.114 33.214 33.314 33.411 33.511 33.609 33.708 33.804 33.901	27.475 27.479 27.487 27.500 27.507 27.513 27.520 27.524 27.529	68.5 68.1 67.4 66.7 66.2 65.6 65.1 64.1 63.6	16.990 17.127 17.263 17.397 17.530 17.662 17.792 17.922 18.050 18.178	90.2 90.2 90.2 90.2 90.1 90.1 90.1 90.1	1482.8 1483.0 1483.2 1483.3 1483.5 1483.7 1483.9 1484.0 1484.3 1484.5	13190.9 13527.9 13867.6 14210.0 14554.9 14902.5 15252.5 15605.2 15960.3 16317.9	5.3 4.4 .9 5.9 2.7 2.7 2.7 1.8 5.1
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.3 1407.1 1426.8 1446.6 1466.3 1486.0 1505.8 1525.5 1545.2 1564.9	2.920 2.888 2.851 2.813 2.780 2.742 2.710 2.670 2.636 2.614	2.821 2.788 2.750 2.711 2.677 2.637 2.604 2.562 2.527 2.504	34.551 34.558 34.561 34.564 34.568 34.570 34.573 34.576 34.578	27.543 27.549 27.555 27.560 27.566 27.572 27.577 27.583 27.589 27.592	33.999 34.096 34.194 34.292 34.389 34.488 34.585 34.684 34.781 34.876	27.535 27.539 27.546 27.551 27.557 27.563 27.568 27.574 27.580 27.583	63.1 62.7 62.1 61.6 61.1 60.5 60.0 59.4 58.9 58.6	18.305 18.431 18.556 18.679 18.802 18.923 19.044 19.163 19.281 19.399	90.2 90.1 90.2 90.2 90.1 90.2 90.1 90.2	1484.7 1484.9 1485.0 1485.2 1485.4 1485.8 1485.8 1485.9 1486.1	16678.0 17040.6 17405.6 17773.0 18142.8 18515.0 18889.5 19266.4 19645.6 20027.0	6.0 5.1 6.3 5.7 3.4 4.0 1.6 3.1 2.0
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.7 1604.4 1624.1 1643.8 1663.5 1683.2 1702.9 1722.7 1742.4 1762.1	2.580 2.553 2.533 2.507 2.478 2.448 2.424 2.404 2.375 2.331	2.469 2.441 2.419 2.391 2.362 2.330 2.304 2.283 2.253 2.208	34.581 34.584 34.586 34.589 34.592 34.593 34.596 34.598 34.600	27.597 27.602 27.604 27.608 27.613 27.618 27.621 27.625 27.629 27.635	34.973 35.069 35.163 35.259 35.355 35.453 35.547 35.642 35.738 35.836	27.588 27.592 27.594 27.598 27.603 27.608 27.611 27.615 27.619 27.624	58.1 57.8 57.6 57.2 56.8 56.3 56.0 55.7 55.3	19.516 19.632 19.747 19.862 19.976 20.089 20.201 20.313 20.424 20.534	90.1 90.1 90.1 90.1 90.2 90.1 90.2 90.1	1486.6 1486.8 1487.0 1487.3 1487.5 1487.7 1487.9 1488.2 1488.4 1488.5	20410.7 20796.7 21185.0 21575.4 21968.1 22363.0 22760.1 23159.3 23560.7 23964.2	2.3 1.1 4.1 1.4 5.6 2.3 3.0 5.3
1800.0 1820.0 1840.0 1860.0 1880.0 1900.0 1920.0 1940.0 1960.0	1781.8 1801.5 1821.2 1840.9 1860.6 1889.9 1919.6 1939.3 1959.0	2.307 2.282 2.265 2.238 2.221 2.201 2.182 2.149 2.128 2.103	2.183 2.156 2.138 2.110 2.091 2.069 2.049 2.015 1.993 1.966	34.602 34.605 34.606 34.610 34.613 34.615 34.617 34.619 34.622	27.638 27.643 27.645 27.650 27.652 27.656 27.659 27.664 27.667	35.931 36.027 36.120 36.217 36.310 36.405 36.500 36.596 36.691 36.786	27.628 27.632 27.635 27.639 27.642 27.645 27.648 27.653 27.656 27.660	54.4 53.9 53.8 53.3 53.1 52.7 52.5 52.0 51.6 51.2	20.643 20.751 20.859 20.966 21.072 21.178 21.283 21.388 21.491 21.594	90.1 90.1 90.2 90.1 90.1 90.1 90.1 90.1	1488.8 1489.0 1489.2 1489.5 1489.7 1490.0 1490.4 1490.7 1490.9	24369.8 24777.6 25187.4 25599.3 26013.3 26429.3 26847.4 27267.5 27689.5 28113.6	1.2 1.8 3.0 1.8 2.4 4.2 .7 4.0 3.1
2000.0 2050.0 2100.0 2150.0 2250.0 2250.0 2350.0 2400.0 2450.0	1978.7 2027.9 2077.1 2126.3 2175.4 22273.7 2322.8 2372.0 2421.1	2.090 2.051 2.007 1.977 1.941 1.911 1.880 1.854 1.829	1.952 1.909 1.862 1.828 1.755 1.719 1.689 1.660	34.624 34.629 34.634 34.637 34.640 34.643 34.647 34.647 34.649	27.674 27.681 27.690 27.694 27.699 27.705 27.710 27.713 27.717 27.721	36.880 37.114 37.350 37.581 37.813 38.044 38.275 38.504 38.733 38.962	27.663 27.670 27.678 27.683 27.688 27.698 27.701 27.704 27.708	51.0 50.4 49.7 49.3 48.8 48.4 48.0 47.7 47.5 47.2	21.697 21.950 22.200 22.447 22.692 22.935 23.176 23.416 23.653 23.890	90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1	1491.2 1491.9 1492.5 1493.2 1493.9 1494.6 1495.3 1496.1 1496.8 1497.5	28539.7 29613.4 30699.2 31797.0 32906.7 34028.1 35161.1 36305.7 37461.7 38629.1	1.9 1.7 2.9 1.8 2 2.8 1.6
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2900.0	2470.2 2519.3 2568.3 2617.4 2666.4 2715.5 2764.5 2813.5 2862.5 2911.5	1.778 1.754 1.733 1.710 1.691 1.672 1.654 1.634 1.616	1.602 1.574 1.548 1.521 1.498 1.474 1.453 1.428 1.406 1.389	34.653 34.655 34.658 34.661 34.662 34.664 34.665 34.667 34.669	27.725 27.728 27.732 27.737 27.739 27.743 27.745 27.748 27.751 27.753	39.190 39.419 39.647 39.875 40.102 40.329 40.555 40.781 41.007 41.231	27.711 27.714 27.719 27.722 27.725 27.728 27.730 27.733 27.736 27.737	46.9 46.3 45.9 45.8 45.4 45.1 44.9	24.125 24.359 24.591 24.821 25.051 25.279 25.506 25.732 25.958 26.182	90.1 90.1 90.2 90.0 90.1 90.1 90.1 90.0 90.1	1498.3 1499.0 1499.8 1500.5 1501.3 1502.0 1502.8 1503.6 1504.4 1505.2	39807.8 40997.7 42198.8 43410.9 44634.1 45868.2 47113.2 48369.0 4935.6 50912.9	1.5 1.8 .7 2 2.8 .8 .3 1.2
3000.0 3050.0 3100.0 3106.0	2960.5 3009.5 3058.5 3064.3	1.595 1.583 1.576 1.576	1.375 1.360 1.347 1.347	34.671 34.673 34.674 34.673	27.755 27.758 27.759 27.759	41.455 41.679 41.902 41.928	27.739 27.742 27.743 27.743	44.8 44.6 44.6 44.6	26.406 26.629 26.852 26.879	90.0 90.0 90.0 90.1	1506.0 1506.8 1507.6 1507.7	52200.9 53499.5 54808.8 54966.7	2.5 -1.8

Station	60	Latitude	32 45	.13'N	Longi	tude 126°	31.27'W	2	9 Aug 198	9 GMT (05:37	Bottom	4350 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma- kg/m ³				Dyn.Ht		sv	m ³ /s ²	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0	0 10.0 19.9 29.9 39.8 59.8 79.7 89.7	18.894 18.886 18.889 18.904 19.101 18.702 15.747 14.849 14.436 14.627	18.894 18.884 18.886 18.899 19.094 18.694 15.738 14.838 14.824 14.614	33.326 33.325 33.337 33.596 33.616 33.352 33.313 33.349	23.770 23.773 23.771 23.777 23.926 24.042 24.540 24.707 24.823 24.926	23.770 23.816 23.858 23.907 24.100 24.259 24.804 25.016 25.177 25.323	23.770 23.772 23.771 23.775 23.924 24.040 24.538 24.705 24.821 24.923	412.0 412.1 412.5 412.4 398.5 387.8 340.4 324.8 313.9 304.5	.000 .412 .824 1.237 1.643 2.036 2.397 2.728 3.048 3.357	89.9 89.4 89.8 89.8 89.8 89.8		2.1 8.2 18.5 32.9 73.3 98.9 127.6	.0 -3.2 1.4 4.5 73.2 393.5 293.1 156.2 175.2 116.1
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	13.641 13.344 12.822 12.488 12.177 11.629 11.134 10.535 10.245 9.887	13.627 13.329 12.806 12.470 12.159 11.610 11.115 10.515 10.224 9.865	33.374 33.402 33.353 33.390 33.442 33.438 33.424 33.454	25.008 25.090 25.156 25.250 25.350 25.445 25.539 25.634 25.707 25.828	25.452 25.579 25.690 25.830 25.975 26.127 26.257 26.398 26.518 26.685	25.005 25.087 25.153 25.247 25.346 25.442 25.535 25.630 25.704 25.825	296.8 289.2 283.1 274.3 265.0 256.0 247.2 238.3 231.4 220.0	3.658 3.951 4.238 4.518 4.788 5.049 5.301 5.544 5.778 6.004	90.0 90.3 90.4 90.6 90.6 90.7 90.7	1502.6 1501.8 1500.2 1499.2 1499.4 1496.6 1495.1 1493.1 1493.2	194.4 232.3 273.1 3163.0 411.9 463.4 517.3 573.7 632.2	91.9 50.9 81.8 94.6 116.0 86.3 111.1 78.8 69.4 104.1
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 228.9 238.9 248.8 258.8 268.7 278.6 288.6	9.581 9.236 9.040 8.902 8.616 8.423 8.255 8.103 7.932 7.760	9.559 9.213 9.017 8.878 8.591 8.397 8.229 8.076 7.904 7.732	33.610 33.726 33.799 33.835 33.935 33.954 33.954 33.975 33.981	25.940 26.087 26.175 26.226 26.326 26.378 26.419 26.449 26.484 26.513	26.843 27.037 27.170 27.267 27.413 27.512 27.599 27.676 27.756 27.832	25.936 26.083 26.171 26.222 26.322 26.374 26.415 26.445 26.479 26.509	209.5 195.6 187.4 182.8 173.3 168.5 164.7 161.9 158.8 156.0	6.218 6.421 6.611 6.798 6.975 7.146 7.313 7.476 7.636 7.794	90.9 90.7 90.7 90.7 90.7 90.7 90.7 90.7	1490.3 1489.4 1488.9 1488.6 1487.7 1487.2 1486.8 1486.4 1485.9 1485.4	693.0 755.8 820.6 887.2 955.7 1025.8 1097.6 1171.1 1246.2 1322.8	139.8 162.0 17.9 115.4 54.2 26.6 35.1 36.2 18.0 12.4
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.1 358.1 368.0 377.9 387.8	7.564 7.420 7.324 7.197 7.071 6.905 6.788 6.650 6.576 6.495	7.535 7.391 7.293 7.165 7.040 6.873 6.755 6.616 6.542 6.460	33.987 33.984 33.984 33.988 33.988 33.998 33.999 34.008 34.012	26.546 26.564 26.578 26.598 26.614 26.656 26.656 26.682 26.699 26.713	27.912 27.977 28.036 28.103 28.165 28.237 28.301 28.373 28.437 28.497	26.542 26.560 26.573 26.593 26.609 26.635 26.652 26.677 26.694 26.709	153.0 151.3 150.1 148.3 146.9 144.5 142.9 140.6 139.0	7.948 8.101 8.252 8.401 8.549 8.694 8.838 8.980 9.120 9.259	90.7 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1484.8 1484.4 1484.2 1483.9 1483.5 1483.0 1482.7 1482.4 1482.3 1482.1	1401.0 1480.7 1561.8 1644.5 1728.7 1814.3 1901.3 1989.7 2079.6 2170.8	15.0 6.8 10.9 13.5 21.1 29.9 12.0 14.3 16.9 29.8
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.8 407.7 417.6 427.5 437.5 447.4 457.3 467.2 477.1	6.371 6.308 6.147 6.017 5.912 5.945 5.994 5.875 5.820	6.335 6.271 6.110 5.980 5.874 5.906 5.954 5.905 5.834 5.778	34.012 34.023 34.022 34.021 34.026 34.066 34.085 34.097 34.100 34.105	26.729 26.747 26.766 26.782 26.799 26.827 26.835 26.851 26.862 26.874	28.560 28.623 28.693 28.695 28.817 28.890 28.943 29.005 29.005 29.120	26.725 26.742 26.761 26.777 26.794 26.822 26.830 26.846 26.857 26.868	136.2 134.7 132.8 131.3 129.8 127.3 126.7 125.3 124.3 123.3	9.396 9.531 9.665 9.797 9.927 10.056 10.183 10.309 10.434 10.558	90.6 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1481.8 1481.7 1481.2 1480.9 1481.0 1481.3 1481.3 1481.2 1481.2	2263.3 2357.2 2452.5 2549.1 2646.9 2746.0 2846.4 2948.1 3051.0 3155.1	17.8 13.1 16.3 17.2 15.1 14.8 17.5 21.0 10.4 23.9
500.0 510.0 520.0 530.0 540.0 550.0 560.0 580.0 590.0	497.0 506.9 516.8 526.7 536.7 546.6 556.5 566.4 576.3	5.685 5.650 5.483 5.470 5.297 5.217 5.147 5.045 4.996	5.642 5.607 5.440 5.425 5.325 5.252 5.171 5.101 4.998 4.949	34.103 34.123 34.111 34.124 34.124 34.128 34.134 34.133 34.150 34.158	26.888 26.908 26.919 26.931 26.943 26.955 26.969 26.984 27.001 27.014	29.182 29.249 29.307 29.365 29.424 29.483 29.543 29.604 29.669 29.728	26.883 26.903 26.914 26.926 26.938 26.950 26.964 26.978 26.996 27.008	121.9 120.1 119.0 118.0 116.8 115.7 114.4 113.1 111.4 110.3	10.680 10.801 10.921 11.040 11.157 11.273 11.388 11.502 11.615 11.725	90.4 90.4 90.4 90.5 90.5 90.5 90.5	1480.8 1480.8 1480.3 1480.4 1480.2 1480.0 1479.9 1479.8 1479.5	3260.4 3366.9 3474.6 3583.5 3693.6 3804.8 3917.1 4030.6 4145.2 4260.9	11.6 20.7 12.1 11.6 1.9 29.7 13.0 20.0 17.4 14.7
600.0 610.0 620.0 640.0 650.0 660.0 670.0 680.0	596.1 606.0 616.0 625.9 635.8 645.7 655.6 665.5 675.4 685.3	4.903 4.807 4.696 4.640 4.583 4.559 4.559 4.509 4.551	4.856 4.759 4.647 4.591 4.556 4.533 4.508 4.478 4.457 4.458	34.162 34.167 34.178 34.188 34.199 34.208 34.218 34.231 34.242 34.259	27.027 27.042 27.063 27.078 27.090 27.099 27.110 27.124 27.135 27.144	29.788 29.850 29.919 29.980 30.039 30.094 30.151 30.212 30.269 30.322	27.022 27.036 27.058 27.072 27.084 27.094 27.105 27.119 27.130 27.138	109.0 107.6 105.5 104.2 103.1 102.3 101.3 100.1 99.1 98.5	11.835 11.943 12.050 12.155 12.258 12.361 12.463 12.564 12.663 12.762	90.4 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1479.3 1479.1 1478.8 1478.7 1478.8 1478.9 1478.9 1479.0 1479.1	4377.6 4495.5 4614.4 4734.3 4855.3 4977.3 5100.3 5224.2 5349.2 5475.2	11.5 21.2 20.0 4.1 15.0 6.5 4.7 22.9 8.0 2.1
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.2 705.1 715.0 724.9 734.8 744.7 754.7 764.5 774.5	4.584 4.519 4.403 4.399 4.337 4.311 4.285 4.277 4.260 4.225	4.530 4.465 4.348 4.343 4.281 4.227 4.227 4.219 4.201 4.165	34.278 34.287 34.286 34.294 34.300 34.313 34.321 34.333 34.342 34.342	27.156 27.170 27.182 27.189 27.201 27.213 27.222 27.233 27.242 27.251	30.379 30.440 30.499 30.552 30.611 30.669 30.726 30.782 30.836 30.892	27.150 27.164 27.176 27.183 27.194 27.207 27.217 27.227 27.227 27.236 27.245	94.4 93.3 92.2 91.3 90.4 89.7	12.860 12.957 13.052 13.147 13.241 13.334 13.425 13.516 13.606 13.696	90.4 90.5 90.4 90.5 90.5 90.4 90.4 90.4	1479.8 1479.7 1479.4 1479.5 1479.4 1479.5 1479.6 1479.7 1479.8	5602.1 5729.9 5858.8 5988.5 6119.2 6250.8 6383.3 6516.7 6651.0 6786.1	16.5 19.7 13.3 9.8 11.8 6.2 10.1 13.0 8.6 13.0
800.0 810.0 820.0 830.0 840.0 850.0 860.0 880.0	794.3 804.2 814.0 824.0 833.8 843.8 853.7 863.5 873.4 883.3	4.188 4.172 4.124 4.108 4.079 4.059 4.026 4.000 3.977 3.955	4.128 4.111 4.063 4.046 4.016 4.016 3.995 3.962 3.935 3.911 3.888	34.356 34.363 34.371 34.377 34.384 34.391 34.394 34.400 34.409 34.413	27.261 27.268 27.279 27.286 27.294 27.302 27.309 27.316 27.325 27.331	30.948 31.001 31.059 31.112 31.167 31.221 31.273 31.326 31.382 31.434	27.255 27.261 27.273 27.280 27.288 27.296 27.302 27.309 27.318 27.324	87.4 86.3 85.7 85.0 84.3 83.8 83.1	13.784 13.872 13.959 14.045 14.130 14.215 14.299 14.382 14.465 14.547	90.5 90.6 90.5 90.5 90.4 90.4 90.4 90.5 90.5	1479.9 1480.0 1479.9 1480.1 1480.2 1480.2 1480.3 1480.4	6922.2 7059.1 7196.8 7335.4 7474.9 7615.2 7756.3 7898.2 8040.9 8184.5	12.7 9.0 8.3 8.6 6.5 9.8 7.5
900.0 910.0 920.0 930.0 940.0 950.0 960.0 980.0 990.0	893.2 903.1 913.0 922.9 932.8 942.7 952.6 962.5 972.4 982.3	3.932 3.908 3.876 3.859 3.828 3.783 3.765 3.748 3.734	3.865 3.841 3.808 3.790 3.758 3.740 3.712 3.694 3.676 3.661	34.418 34.423 34.431 34.435 34.442 34.445 34.449 34.451 34.454	27.338 27.344 27.353 27.358 27.367 27.371 27.377 27.381 27.385 27.389	31.646 31.701 31.751 31.804 31.854 31.903	27.331 27.337 27.346 27.351 27.360 27.364 27.370 27.374 27.378 27.378	80.7 79.8 79.4 78.6 78.3 77.7 77.4	15.027 15.105 15.183 15.260	90.5 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4	1480.5 1480.6 1480.6 1480.7 1480.8 1480.9 1480.9 1481.0 1481.1	8328.8 8474.0 8619.9 8766.7 8914.2 9062.4 9211.5 9361.3 9511.8 9663.1	5.7 4.3 10.1 8.7 5.4 4.0 7.8 6.9 4.9

Station		Latitude			Longitu	de 126°			Aug 1989			Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma -0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0	992.2 1011.9 1031.7 1051.5 1071.3 1091.0 1110.8 1130.6 1150.3 1170.1	3.716 3.674 3.633 3.579 3.530 3.472 3.426 3.375 3.334 3.297	3.643 3.599 3.557 3.502 3.451 3.392 3.293 3.293 3.250 3.213	34.461 34.473 34.479 34.486 34.492 34.497 34.504 34.508 34.513	27.393 27.403 27.412 27.422 27.432 27.442 27.451 27.461 27.469 27.476	32.004 32.105 32.207 32.310 32.412 32.515 32.617 32.720 32.819 32.919	27.386 27.395 27.404 27.414 27.425 27.435 27.444 27.454 27.461 27.469	76.4 75.6 74.8 73.9 73.0 72.0 71.2 70.3 69.6 69.0	15.413 15.565 15.716 15.864 16.011 16.156 16.299 16.441 16.581 16.719	90.4 90.5 90.4 90.4 90.4 90.4 90.4 90.4	1481.3 1481.5 1481.6 1481.8 1481.9 1482.0 1482.1 1482.2 1482.4 1482.6	9815.2 10121.6 10430.9 10743.1 11058.3 11376.3 11697.1 12220.7 12347.0 12676.1	5.52 8.29 8.29 8.35 9.35 7.3
1200.0 1220.0 1240.0 1260.0 1380.0 1320.0 1340.0 1360.0 1380.0	1189.9 1209.6 1229.4 1249.1 1268.9 1288.6 1308.4 1328.1 1347.9 1367.6	3.264 3.205 3.161 3.138 3.112 3.078 3.037 2.991 2.951	3.178 3.118 3.073 3.048 3.021 2.986 2.943 2.896 2.855 2.824	34.517 34.528 34.530 34.530 34.536 34.539 34.544 34.547 34.549	27.483 27.493 27.501 27.505 27.510 27.516 27.522 27.530 27.537 27.541	33.018 33.121 33.221 33.317 33.413 33.512 33.610 33.711 33.809 33.906	27.475 27.485 27.493 27.497 27.501 27.508 27.514 27.522 27.528 27.533	68.5 67.7 66.4 66.1 65.0 64.6 63.2	16.857 16.993 17.127 17.260 17.393 17.524 17.654 17.784 17.911 18.038	90.5 90.4 90.3 90.4 90.5 90.5 90.4 90.3	1482.8 1482.9 1483.0 1483.3 1483.5 1483.7 1483.8 1484.0 1484.1 1484.3	13007.8 13342.2 13679.3 14018.9 14361.2 14706.0 15053.3 15403.2 15755.6 16110.5	5.0 5.9 5.6 4.7 5.6 4.2 3.0
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.4 1407.1 1426.8 1446.6 1466.3 1486.0 1505.8 1525.5 1545.2 1564.9	2.894 2.853 2.813 2.769 2.769 2.731 2.659 2.626 2.596	2.795 2.753 2.712 2.687 2.665 2.526 2.588 2.552 2.518 2.486	34.552 34.556 34.560 34.564 34.568 34.570 34.573 34.575 34.577	27.546 27.553 27.560 27.563 27.567 27.573 27.579 27.584 27.588 27.593	34.002 34.102 34.201 34.296 34.391 34.490 34.588 34.685 34.781 34.878	27.537 27.544 27.551 27.554 27.558 27.564 27.570 27.575 27.579 27.584	62.8 62.2 61.5 61.3 61.0 69.3 59.8 59.3 58.9	18.164 18.289 18.413 18.535 18.658 18.779 18.899 19.018 19.137 19.254	90.3 90.4 90.4 90.5 90.4 90.4 90.4 90.3	1484.6 1484.7 1484.9 1485.1 1485.5 1485.7 1485.7 1486.1 1486.3	16467.9 16827.6 17189.8 17554.4 17921.4 18290.7 18662.4 19036.4 19412.7 19791.3	5.1 1.9 1.3 1.0 4.2 5.7 3.7 2.2 2.5 3.4
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.7 1604.4 1624.1 1643.8 1663.5 1683.2 1702.9 1722.7 1742.4 1762.1	2.559 2.520 2.491 2.466 2.437 2.411 2.383 2.359 2.325 2.302	2.448 2.407 2.378 2.351 2.321 2.293 2.264 2.239 2.204 2.179	34.579 34.583 34.585 34.588 34.590 34.592 34.595 34.596 34.599 34.601	27.598 27.605 27.609 27.613 27.617 27.621 27.626 27.629 27.634 27.638	34.975 35.074 35.170 35.265 35.362 35.457 35.553 35.649 35.746 35.841	27.589 27.595 27.599 27.603 27.608 27.611 27.616 27.619 27.624 27.628	58.0 57.4 57.0 56.6 56.2 55.8 55.4 55.1 54.6 54.2	19.371 19.486 19.600 19.714 19.827 19.939 20.050 20.160 20.270 20.379	90.4 90.4 90.4 90.3 90.3 90.4 90.4 90.4	1486.5 1486.6 1486.9 1487.1 1487.3 1487.5 1487.7 1488.0 1488.2 1488.4	20172.2 20555.3 20940.7 21328.2 21718.0 22109.9 22504.0 22900.2 23298.6 23699.1	2.8 5.5 2.9 4.1 3.8 2.9 1.8 1.5
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.8 1801.5 1821.2 1840.9 1860.6 1889.9 1919.6 1939.3 1959.0	2.271 2.248 2.228 2.209 2.190 2.166 2.145 2.118 2.101 2.082	2.147 2.123 2.102 2.081 2.061 2.035 2.013 1.985 1.966 1.946	34.604 34.606 34.608 34.610 34.612 34.615 34.617 34.620 34.622 34.624	27.643 27.647 27.650 27.653 27.656 27.660 27.664 27.668 27.671 27.675	35.937 36.033 36.127 36.221 36.316 36.411 36.507 36.602 36.697 36.791	27.632 27.636 27.639 27.642 27.650 27.653 27.657 27.661 27.664	53.8 53.4 53.1 52.9 52.5 52.2 51.8 51.4 51.1	20.487 20.594 20.701 20.807 20.912 21.017 21.121 21.224 21.327 21.429	90.3 90.3 90.4 90.3 90.3 90.3 90.3	1488.6 1488.8 1489.1 1489.3 1489.6 1489.8 1490.1 1490.3 1490.6 1490.8	24101.7 24506.3 24913.1 25321.8 25732.7 26145.5 26560.4 26977.3 27396.1 27817.0	2.7 1.8 2.1 4.2 2.7 1.3 3.9
2000.0 2050.0 2100.0 2150.0 2250.0 2250.0 2350.0 2400.0 2450.0	1978.7 2027.9 2077.1 2126.3 2175.4 2224.6 2273.7 2322.9 2372.0 2421.1	2.067 2.020 1.984 1.944 1.874 1.852 1.830 1.805	1.929 1.879 1.839 1.796 1.752 1.718 1.692 1.666 1.637	34.625 34.629 34.633 34.637 34.639 34.642 34.645 34.648 34.650	27.677 27.684 27.690 27.696 27.702 27.707 27.711 27.715 27.719 27.723	36.884 37.118 37.352 37.585 37.818 38.048 38.278 38.508 38.737 38.966	27.666 27.679 27.685 27.690 27.699 27.699 27.703 27.707 27.710	50.7 50.0 49.5 48.9 48.4 48.7 47.4 47.1 46.8	21.530 21.782 22.031 22.277 22.520 22.761 23.001 23.238 23.475 23.710	90.4 90.3 90.3 90.3 90.3 90.4 90.3 90.3	1491.1 1491.7 1492.4 1493.1 1493.8 1494.5 1495.2 1496.0 1496.7 1497.4	28239.7 29305.3 30382.8 31472.3 32573.6 33686.5 34810.9 35946.8 37094.1 38252.7	1.1 1.7 2.0 1.8 .0 .7 1.3
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2900.0	2470.2 2519.3 2568.3 2617.4 2666.5 27164.5 2813.6 2862.6 2911.6	1.752 1.737 1.722 1.699 1.685 1.668 1.652 1.634 1.621	1.576 1.557 1.538 1.511 1.492 1.471 1.451 1.429 1.411	34.655 34.657 34.659 34.661 34.665 34.665 34.666 34.668 34.669	27.727 27.730 27.734 27.737 27.740 27.743 27.746 27.749 27.751 27.753	39.195 39.422 39.649 39.877 40.104 40.330 40.555 40.782 41.007 41.231	27.715 27.717 27.720 27.723 27.726 27.729 27.731 27.734 27.736 27.737	46.4 46.3 46.8 45.6 45.4 45.3 45.1 44.9	23.943 24.175 24.405 24.635 24.864 25.091 25.318 25.544 25.769 25.993	90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3	1498.2 1498.9 1499.7 1500.5 1501.3 1502.0 1502.8 1503.6 1504.4 1505.2	39422.5 40603.4 41795.5 42998.5 44212.5 45437.5 46673.2 47919.8 49177.2 50445.3	2.3 2.4 -1.4 .7 3.4 .5 3 5
3000.0 3050.0 3100.0 3124.0	2960.5 3009.5 3058.5 3082.0	1.596 1.585 1.573 1.569	1.377 1.361 1.344 1.338	34.672 34.673 34.675 34.675	27.756 27.758 27.760 27.761	41.455 41.679 41.903 42.010	27.740 27.742 27.744 27.744	44.7 44.6 44.5 44.5	26.217 26.440 26.663 26.770	90.3 90.3 90.3 90.2	1506.0 1506.8 1507.6 1508.0	51724.0 53013.5 54313.5 54941.3	.7 6 .0

Station	61	Latitude	32° 31.	56'N	-	ude 126°			Aug 1989				4375 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg		LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.8 59.8 69.8 79.7	19.187 19.197 19.224 19.229 19.215 19.188 18.755 16.250 15.536 15.179	19.187 19.195 19.221 19.223 19.207 19.180 18.744 16.239 15.524 15.165	33.607 33.618 33.664 33.677 33.679 33.694 33.534 33.559 33.604	23.910 23.909 23.910 23.945 23.959 23.968 24.089 24.566 24.747 24.861	23.910 23.952 23.997 24.075 24.132 24.184 24.349 24.874 25.099 25.257	23.910 23.909 23.909 23.943 23.957 24.086 24.564 24.744 24.858	398.6 399.1 399.3 396.4 395.4 395.0 383.7 338.3 321.4 310.8	.000 .399 .798 1.196 1.592 1.987 2.379 2.732 3.060 3.375	89.8 89.8 89.9 90.0 90.1 89.8 89.9 90.0	1518.2 1518.4 1518.7 1518.9 1519.0 1519.1 1510.6 1508.6 1507.7	2.0 8.0 17.9 31.8 49.6 71.4 96.9 125.7	-6.0 19.2 41.3 9.7 21.7 676.1 201.6 116.3 98.6
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	14.726 14.199 13.975 13.394 12.718 12.234 11.683 11.522 10.868	14.711 14.184 13.958 13.376 12.700 12.215 11.663 11.501 10.847 10.385	33.566 33.554 33.650 33.630 33.597 33.605 33.562 33.617 33.609 33.656	24.930 25.032 25.153 25.257 25.366 25.466 25.536 25.720 25.720 25.838	25.371 25.518 25.684 25.834 25.989 26.135 26.251 26.369 26.528 26.692	24.926 25.028 25.149 25.253 25.362 25.462 25.532 25.605 25.717 25.834	304.4 294.9 283.6 273.9 263.7 254.3 247.8 241.0 230.4 219.4	3.683 3.982 4.272 4.550 4.819 5.078 5.328 5.573 5.809 6.035	90.1 90.3 90.5 90.6 90.7 90.7 90.7 90.7	1506.4 1504.8 1504.4 1502.6 1500.4 1499.0 1497.2 1496.8 1494.7 1493.2	192.9 231.1 272.2 316.1 362.7 411.9 463.7 517.9 574.5 633.4	106.5 27.0 100.8 81.1 111.1 127.1 37.7 91.3 48.1 248.3
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 248.8 258.8 268.7 278.6 288.6	10.073 9.639 9.378 9.169 9.002 8.724 8.554 8.145 7.901	10.050 9.615 9.354 9.144 8.976 8.698 8.527 8.358 8.117 7.872	33.687 33.746 33.795 33.854 33.898 33.925 33.965 33.987 33.987 33.992	25.919 26.038 26.118 26.198 26.259 26.324 26.382 26.425 26.455 26.501	26.819 26.985 27.112 27.238 27.345 27.456 27.560 27.649 27.727 27.819	25.915 26.034 26.115 26.194 26.255 26.320 26.378 26.420 26.451 26.497	211.7 200.5 192.9 185.5 179.8 173.7 168.4 161.6 157.3	6.249 6.456 6.653 6.842 7.025 7.201 7.373 7.539 7.702 7.862	90.8 90.8 90.8 90.8 90.8 90.7 90.7	1492.2 1490.9 1490.1 1489.6 1489.2 1488.3 1487.5 1487.5 1486.7	694.5 757.7 822.8 889.9 958.8 1029.5 1101.9 1175.9 1251.7 1328.9	51.8 113.8 115.2 76.8 51.9 43.1 63.3 35.7 31.8 42.3
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0	298.5 308.4 318.4 328.3 338.2 348.1 358.0 377.9 387.9	7.716 7.621 7.423 7.317 7.160 7.045 6.914 6.769 6.559 6.454	7.687 7.590 7.392 7.286 7.128 7.012 6.880 6.735 6.525 6.419	34.008 34.012 34.019 34.021 34.023 34.023 34.023 34.024 34.013	26.541 26.558 26.591 26.606 26.631 26.648 26.666 26.705 26.719	27.905 27.969 28.049 28.110 28.181 28.245 28.309 28.377 28.443 28.504	26.536 26.554 26.587 26.602 26.626 26.643 26.661 26.682 26.700 26.715	153.6 152.0 148.9 147.6 145.3 143.8 142.2 138.4 137.1	8.017 8.170 8.321 8.469 8.615 8.760 8.903 9.044 9.184 9.321	90.7 90.6 90.6 90.5 90.5 90.5 90.5	1485.4 1485.2 1484.6 1484.4 1483.9 1483.6 1483.3 1482.9 1482.2 1481.9	1407.8 1488.2 1570.1 1653.4 1738.2 1824.5 1912.2 2001.2 2091.7 2183.6	17.7 17.4 32.9 25.9 22.3 27.9 20.5 32.8 9.3 17.5
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.8 407.7 417.6 427.5 437.5 447.4 457.3 467.2 477.1 487.1	6.412 6.189 6.110 6.157 5.922 5.896 5.644 5.516 5.338	6.376 6.153 6.074 6.119 5.884 5.857 5.605 5.478 5.359 5.292	34.026 34.013 34.029 34.062 34.053 34.075 34.058 34.054 34.053 34.067	26.735 26.753 26.776 26.796 26.819 26.840 26.857 26.869 26.883 26.902	28.565 28.632 28.701 28.766 28.837 28.969 29.029 29.089 29.154	26.730 26.749 26.772 26.792 26.815 26.835 26.853 26.853 26.865 26.878 26.897	135.7 133.9 131.8 130.1 127.9 126.0 124.3 123.1 121.8 120.1	9.458 9.593 9.725 9.856 9.986 10.113 10.238 10.361 10.484 10.605	90.6 90.5 90.5 90.4 90.5 90.5 90.5 90.5	1482.0 1481.2 1481.5 1480.7 1480.8 1479.9 1479.5 1479.1	2276.7 2371.3 2467.3 2564.3 2662.7 2762.4 2863.4 2965.6 3068.9 3173.5	24.8 10.4 6.0 9.9 22.1 23.9 11.5 15.9 10.9
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.8 526.7 536.7 546.6 556.5 566.4 576.3	5.278 5.196 5.139 5.087 4.956 4.852 4.864 4.713	5.238 5.155 5.097 5.045 4.954 4.913 4.808 4.820 4.721 4.667	34.076 34.091 34.103 34.113 34.117 34.129 34.136 34.142 34.153 34.165	26.915 26.937 26.953 26.967 26.981 26.995 27.012 27.016 27.036 27.051	29.214 29.283 29.346 29.406 29.527 29.527 29.591 29.708 29.708	26.910 26.932 26.948 26.962 26.976 27.007 27.007 27.011 27.031 27.046	118.9 116.9 115.4 114.1 112.8 111.6 109.9 109.7 107.8 106.4	10.725 10.843 10.959 11.073 11.187 11.299 11.410 11.520 11.628 11.736	90.5 90.4 90.5 90.5 90.5 90.5 90.5 90.5	1479.1 1478.9 1478.8 1478.6 1478.7 1478.4 1478.4 1478.3	3279.3 3386.3 3494.4 3603.6 3714.0 3825.5 3938.0 4051.7 4166.4 4282.3	15.0 19.7 8.0 8.8 10.9 7.4 13.2 10.3 13.8 6.8
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.1 606.0 616.0 625.9 635.8 645.7 655.6 665.4	4.687 4.636 4.607 4.561 4.527 4.583 4.502 4.493 4.503	4.640 4.589 4.559 4.513 4.478 4.532 4.451 4.444 4.431 4.450	34.174 34.182 34.193 34.212 34.221 34.250 34.256 34.256 34.275 34.291	27.061 27.073 27.085 27.105 27.117 27.133 27.147 27.153 27.164 27.175	29.826 29.885 29.942 30.009 30.066 30.128 30.189 30.241 30.298 30.354	27.056 27.068 27.080 27.100 27.111 27.127 27.142 27.148 27.159 27.169	105.5 104.4 103.4 101.5 100.5 99.1 97.8 97.3 96.4 95.5	11.842 11.946 12.050 12.153 12.253 12.353 12.452 12.549 12.646 12.742	90.5 90.5 90.5 90.7 90.5 90.5 90.5 90.5	1478.4 1478.4 1478.4 1478.5 1478.9 1478.9 1479.0 1479.3	4399.1 4517.0 4635.9 4755.8 4876.8 4998.7 5121.6 5245.4 5370.3 5496.0	10.0 3.8 17.3 15.3 19.9 17.3 6.5 8.3 8.9
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.2 705.1 715.0 725.0 734.8 744.8 754.7 764.6 774.5 784.4	4.499 4.455 4.492 4.510 4.492 4.453 4.415 4.386 4.297 4.226	4.445 4.401 4.437 4.453 4.435 4.357 4.357 4.327 4.238 4.166	34.309 34.322 34.338 34.349 34.356 34.356 34.356 34.356	27.183 27.194 27.201 27.212 27.222 27.227 27.227 27.236 27.243 27.249 27.254	30.408 30.466 30.517 30.573 30.629 30.681 30.736 30.789 30.843 30.895	27.177 27.189 27.195 27.206 27.215 27.221 27.230 27.236 27.243 27.247	94.8 93.8 93.4 92.5 91.6 91.2 90.3 89.8 89.0 88.6	12.837 12.932 13.025 13.118 13.210 13.302 13.393 13.483 13.572 13.661	90.5 90.5 90.5 90.4 90.6 90.5 90.4 90.5	1479.4 1479.4 1479.4 1480.0 1480.1 1480.2 1480.2 1480.0 1479.9	5622.7 5750.4 5878.9 6008.4 6138.8 6270.1 6402.2 6535.3 6669.3 6804.1	5.7 5.1 3.3 17.7 4.2 6.9 12.7 6.6 2
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.3	4.227 4.182 4.183 4.185 4.159 4.115 4.078 4.079 4.065 4.013	4.167 4.121 4.121 4.122 4.095 4.051 4.014 4.013 3.999 3.946	34.363 34.369 34.381 34.395 34.399 34.401 34.398 34.406 34.411	27.263 27.272 27.281 27.292 27.298 27.304 27.306 27.313 27.318 27.325	30.949 31.005 31.059 31.116 31.168 31.221 31.269 31.321 31.373 31.427	27.256 27.265 27.274 27.285 27.291 27.298 27.299 27.306 27.311 27.318	87.9 87.0 86.3 85.3 84.8 84.2 84.1 83.6 83.2	13.749 13.837 13.923 14.009 14.094 14.179 14.263 14.347 14.430 14.513	90.5 90.4 90.5 90.5 90.5 90.5 90.5 90.5	1480.0 1480.2 1480.4 1480.5 1480.5 1480.5 1480.6 1480.7	6939.8 7076.3 7213.8 7352.0 7491.1 7631.0 7771.8 7913.4 8055.8 8199.0	6.6 2.8 8.9 10.1 3.7 4.8 5.4 6.9 1.3
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.1 913.0 922.9 932.8 942.7 952.6 962.5 972.4 982.3	4.012 3.977 3.941 3.909 3.913 3.899 3.820 3.802 3.805 3.813	3.944 3.909 3.872 3.840 3.843 3.828 3.749 3.731 3.732 3.740	34.421 34.425 34.428 34.433 34.439 34.447 34.446 34.446 34.448	27.331 27.338 27.344 27.351 27.356 27.364 27.371 27.375 27.380 27.387	31.479 31.532 31.585 31.638 31.688 31.742 31.797 31.846 31.897 31.950	27.324 27.331 27.337 27.344 27.349 27.356 27.364 27.367 27.373 27.380	82.0 81.4 80.8 80.2 79.2 78.3 78.1 77.7	14.595 14.677 14.758 14.839 14.919 14.998 15.077 15.155 15.233 15.310	90.5 90.4 90.5 90.5 90.4 90.5 90.4	1480.9 1480.9 1480.9 1480.9 1481.1 1481.2 1481.1 1481.2 1481.6	8343.0 8487.9 8633.5 8779.9 8927.1 9075.1 9223.9 9373.4 9523.7 9674.7	4.6 10.4 9.5 3.4 11.9 4.0 4.6 4.6 6.9

Station	61	Latitude	32° 31.	56'N	Longitu	ide 126°	39.32'W	29	Aug 1989	GMT 0	3:48	Bottom	
Pres.	Depth	Temp.	Pot.T.	Sal	Sigma-0	Sigma-z	Sigma-t	Delta	Dyn.Ht	LTR	sv	m3/s2	N ²
db 1000.0 1020.0	m 992.2 1012.0	°C 3.771 3.721	°C 3.697 3.646	0/00 34.468 34.473	kg/m ³ 27.394 27.403	kg/m ³ 32.003 32.105	kg/m ³ 27.387 27.396	10 ⁸ m ³ /kg 76.4 75.7	J/kg 15.387 15.539	90.5 90.4	m/s 1481.6 1481.7	9826.5 10132.4	10 ⁶ /s ² 1.7 3.1
1040.0 1060.0	1031.7 1051.5	3.683 3.637	3.607 3.559	34.479 34.485	27.411 27.421	32.205 32.307	27.404 27.413	75.0 74.1	15.690 15.839	90.5	1481.9 1482.0	10441.2	2.6 6.1
1080.0	1071.3	3.583 3.555	3.504	34.491 34.496	27.431 27.438	32.410 32.509	27.423 27.430	73.2 72.6	15.986 16.132	90.4	1482.1 1482.3	11067.6 11385.1	5.5 4.6
1120.0 1140.0	1110.8 1130.6	3.517 3.461	3.435	34.500 34.504	27.445 27.454	32.608 32.709	27.437 27.446	72.1 71.3	16.277 16.420	90.4	1482.5 1482.6	11705.5 12028.7	1.7
1160.0 1180.0	1150.3 1170.1	3.424 3.387	3.340 3.301	34.508 34.513	27.460 27.468	32.808 32.908	27.452 27.460	70.7 70.1	16.562 16.703	90.4 90.4	1482.8 1483.0	12354.6 12683.3	7.0
1200.0 1220.0	1189.9 1209.6	3.324 3.280	3.238 3.193	34.517 34.521	27.477 27.485	33.010 33.110	27.469 27.477	69.2 68.5	16.842 16.980	90.4	1483.0 1483.2	13014.8 13348.9	5.0 3.5
1240.0 1260.0	1229.4 1249.2	3.245 3.207	3.156 3.116	34.527 34.534	27.493 27.502	33.211 33.311	27.485 27.494	67.7 67.0	17.116 17.251	90.4	1483.4 1483.6	13685.8 14025.2	3.8 5.6
1280.0 1300.0	1268.9 1288.7	3.172 3.153	3.080 3.060	34.534 34.538	27.505 27.511	33.407 33.504	27.497 27.502	66.7 66.3	17.385 17.517	90.4	1483.7 1484.0	14367.3 14712.0	5.6 2
1320.0 1340.0	1308.4 1328.2	3.114 3.058	3.020 2.963	34.543 34.542	27.519 27.523	33.604 33.700	27.510 27.514	65.6 65.2	17.649 17.780	90.4	1484.2 1484.3	15059.3 15409.1	4.8 1.8
1360.0 1380.0	1347.9 1367.6	3.014 2.981	2.918 2.884	34.542 34.545	27.527 27.533	33.797 33.895	27.518 27.524	64.7 64.2	17.910 18.039	90.4	1484.4 1484.6	15761.4 16116.3	3.6 6.0
1400.0 1420.0	1387.4 1407.1	2.944 2.915	2.845 2.815	34.549 34.551	27.539 27.544	33.994 34.090	27.530 27.535	63.6 63.2	18.167 18.293	90.4	1484.8 1485.0	16473.7 16833.5	6.3 1.0
1440.0 1460.0	1426.9 1446.6	2.874	2.772	34.556 34.557	27.552 27.553	34.190 34.283	27.542 27.544	62.5 62.4	18.419 18.544	90.4 90.4	1485.1 1485.4	17195.8 17560.6	1.3
1480.0 1500.0	1466.3 1486.1	2.828	2.723 2.688	34.559 34.562	27.558 27.563	34.380 34.478	27.549 27.554	62.0 61.5	18.668 18.792	90.4	1485.6 1485.8	17927.8 18297.3	1.3 3.1
1520.0 1540.0	1505.8 1525.5	2.766	2.659 2.623	34.565 34.568	27.569 27.573	34.574 34.671	27.559 27.564	61.1 60.6	18.915 19.036	90.4	1486.0 1486.2	18669.3 19043.7	5.5 2.2
1560.0 1580.0	1545.3 1565.0	2.685 2.665	2.576 2.554	34.572 34.572	27.581 27.583	34.772 34.866	27.572 27.574	59.8 59.6	19.157 19.276	90.4 90.4	1486.3 1486.6	19420.4 19799.4	3.7
1600.0 1620.0	1584.7 1604.4	2.637 2.596	2.525 2.483	34.575 34.579	27.588 27.595	34.961 35.060	27.578 27.585	59.2 58.6	19.395 19.513	90.3	1486.8 1487.0	20180.7	2.3 6.7
1640.0 1660.0	1624.1 1643.8	2.553 2.516	2.439	34.582 34.585	27.601	35.159 35.257	27.591 27.597	57.9 57.4	19.629 19.744	90.4 90.5	1487.1 1487.3	20950.3 21338.4	2.0 1.7
1680.0 1700.0	1663.6 1683.3	2.495 2.465	2.378	34.588 34.589	27.611 27.614	35.352 35.448	27.601 27.604	57.0 56.7	19.859 19.973	90.4	1487.5 1487.8	21728.8 22121.4	2.9
1720.0 1740.0	1703.0 1722.7	2.434	2.315	34.592 34.595	27.619 27.624	35.545 35.641	27.610 27.614	56.2 55.7	20.085 20.197	90.4 90.4	1488.0 1488.2	22516.2 22913.2	2.4
1760.0 1780.0	1742.4 1762.1	2.381 2.348	2.259	34.599 34.600	27.629 27.633	35.738 35.833	27.619 27.623	55.3 54.9	20.308	90.3 90.4	1488.4 1488.6	23312.3 23713.5	3.5 3.0
1800.0 1820.0	1781.8 1801.5	2.324	2.199	34.602 34.605	27.637 27.641	35.929 36.024	27.626 27.630	54.6 54.2	20.528	90.3 90.4	1488.8 1489.1	24116.9 24522.4	3.0
1840.0 1860.0	1821.2 1840.9	2.289 2.264	2.162	34.607 34.608	27.644 27.647	36.118 36.213	27.634 27.636	53.9 53.7	20.745 20.853	90.4	1489.4 1489.6	24930.0 25339.7	5.6 1.9
1880.0 1900.0	1860.6 1880.3	2.248	2.117	34.610 34.612	27.650 27.653	36.306 36.401	27.639 27.642	53.5 53.1	20.960	90.3 90.4	1489.8 1490.1	25751.5 26165.3	3.9 1.6
1920.0 1940.0 1960.0	1900.0 1919.7 1939.4	2.207 2.182	2.074 2.048	34.613 34.615	27.656 27.660	36.496 36.590	27.646 27.649	52.9 52.5	21.172 21.278	90.4	1490.3 1490.6	26581.2 26999.1	1.0
1980.0	1959.1	2.165 2.146	2.030	34.617 34.618	27.662 27.665	36.684 36.778	27.652 27.654	52.3 52.0	21.382 21.487	90.4 90.3	1490.8 1491.1	27419.0 27841.0	1.6
2000.0 2050.0	1978.7 2027.9	2.130	1.991	34.619 34.625	27.668 27.677	36.871 37.109	27.656 27.666	51.8 50.9	21.591 21.847	90.4	1491.4 1491.9	28265.0 29333.6	3.4
2100.0 2150.0 2200.0	2077.1 2126.3 2175.5	2.031 1.988 1.949	1.885	34.629 34.634	27.684 27.691	37.342 37.577	27.672 27.680	50.3 49.6	22.100 22.350 22.597	90.4	1492.6 1493.3	30414.5 31507.5	9
2250.0 2300.0	2224.6 2273.8	1.922	1.796 1.765 1.727	34.637	27.696 27.702	37.809 38.040	27.684 27.690	49.2 48.8	22.842	90.4	1493.9 1494.7	32612.5 33729.3	1.5 2.7
2350.0 2400.0	2322.9 2372.0	1.862	1.697	34.643 34.646 34.649	27.707 27.711 27.716	38.271 38.501	27.694 27.698	48.3 48.0	23.084	90.3	1495.4 1496.1	34857.8 35997.9	2.5
2450.0	2421.1	1.807	1.634	34.652	27.721	38.732 38.962	27.704 27.708	47.5 47.1	23.564 23.801	90.3	1496.8 1497.6	37149.6 38312.6	2.0
2500.0 2550.0	2470.2 2519.3	1.785 1.764 1.741	1.608 1.583 1.556	34.654 34.655	27.725 27.727 27.731	39.190 39.417	27.711 27.714	46.9	24.036 24.270	90.3	1498.3 1499.1	39487.0 40672.6	3 1.8
2600.0 2650.0	2568.4 2617.5	1.718	1.529	34.657 34.660	27.735	39.646 39.874	27.718 27.721	46.4	24.503 24.734	90.4	1499.8 1500.6	41869.4 43077.4	1.0
2700.0 2750.0	2666.5 2715.6	1.695	1.502	34.661 34.663	27.738 27.741	40.101	27.724 27.726	45.9 45.7	24.964 25.193	90.3	1501.3 1502.1	44296.3 45526.2	1.4 1
2800.0 2850.0 2900.0	2764.6 2813.6 2862.6	1.661 1.643	1.459	34.665 34.666	27.744	40.553	27.729 27.732	45.5 45.3	25.421 25.648	90.3	1502.8 1503.6	46767.0 48018.7	1.2
2950.0	2862.6	1.630	1.420	34.667	27.749 27.751	41.004	27.734 27.736	45.2 45.1	25.874 26.100	90.3	1504.4 1505.2	49281.2 50554.5	-1.7
3000.0 3050.0	2960.6 3009.6	1.607 1.595	1.388	34.670 34.672	27.753 27.756	41.452 41.677	27.737 27.740	45.0 44.8	26.325 26.549	90.3	1506.0 1506.8	51838.6 53133.3	-1.0
3100.0 3120.0	3058.5 3078.1	1.587 1.581	1.358	34.673 34.673	27.757 27.758	41.900 41.989	27.741 27.742	44.8 44.8	26.774 26.863	90.3	1507.6 1507.9	54438.8 54964.0	.8 .0

Station	62	Latitude	32° 18,	.26'N	Longit	ude 126°	47.26'W	29	Aug 1989	GMT 1	2:06	Bottom	4250 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-6 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	10.0 19.9 29.9 39.8 59.8 69.8 79.7	18.997 19.001 18.998 19.002 18.682 16.840 15.415 15.103	18.997 19.000 18.994 18.997 18.982 18.673 16.830 15.404 14.603 15.089	33.508 33.508 33.507 33.508 33.507 33.417 33.300 33.287 33.523	23.883 23.883 23.883 23.886 23.950 24.370 24.738 24.815	23.883 23.926 23.970 24.013 24.060 24.168 24.603 24.883 25.091 25.211	23.883 23.882 23.882 23.882 23.884 23.948 24.338 24.735 24.735 24.812	401.2 401.6 401.9 402.3 402.3 396.6 359.6 337.5 322.1 315.1	.000 .401 .803 1.205 1.608 2.010 2.392 2.738 3.065 3.383	90.1 90.2 90.3 90.1 90.0 89.9 89.9 90.1	1517.6 1517.8 1517.9 1518.1 1518.2 1517.5 1512.1 1507.4	2.0 8.0 18.0 32.0 50.1 72.0 97.6 126.5	.0 5 1.5 .8 6.1 204.0 309.1 165.1 6.3 15.5
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.3 179.3 189.2	15.198 14.423 13.778 12.844 12.490 12.269 11.406 11.012 10.736 10.248	15.183 14.407 13.761 12.827 12.471 12.250 11.386 10.992 10.714 10.226	33.585 33.510 33.434 33.377 33.422 33.494 33.507 33.571 33.602	24.842 24.951 25.027 25.170 25.274 25.373 25.495 25.615 25.714 25.822	25.282 25.437 25.559 25.749 25.898 26.042 26.212 26.378 26.678	24.839 24.948 25.024 25.167 25.271 25.369 25.492 25.611 25.710 25.819	312.9 302.6 295.5 282.0 272.3 263.1 251.5 240.2 230.9 220.7	3.697 4.004 4.304 4.593 4.870 5.139 5.397 5.643 6.103	90.2 90.2 90.3 90.5 90.7 90.8 90.9 90.9	1507.9 1505.5 1503.5 1500.4 1498.9 1496.0 1494.9 1494.1 1492.6	193.9 232.2 273.6 317.9 365.0 414.8 467.2 522.1 579.4 639.0	142.3 45.8 152.6 113.7 40.2 95.2 166.8 97.6 123.0 65.0
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 248.8 258.8 268.7 278.6 288.6	9.769 9.578 9.348 9.110 8.829 8.571 8.430 8.208 8.085 7.950	9.746 9.554 9.324 9.085 8.804 8.544 8.403 8.180 8.056 7.921	33.676 33.719 33.769 33.820 33.867 33.916 33.932 33.956 33.968 33.978	25.961 26.026 26.103 26.181 26.262 26.375 26.428 26.455 26.483	26.863 26.974 27.097 27.221 27.349 27.474 27.554 27.653 27.727 27.801	25.957 26.022 26.099 26.177 26.258 26.337 26.371 26.424 26.451 26.479	207.6 201.6 194.4 187.1 179.4 172.1 168.9 164.0 161.5	6.318 6.523 6.720 6.912 7.095 7.271 7.442 7.608 7.771 7.931	90.9 90.9 90.8 90.8 90.8 90.8	1491.1 1490.6 1490.0 1489.3 1488.5 1487.8 1487.8 1486.8 1486.5 1486.1	700.7 764.6 830.4 898.2 967.8 1039.1 1112.2 1187.0 1263.4 1341.4	161.8 53.7 33.8 94.1 65.9 42.4 98.4 22.2 28.6 17.2
300.0 310.0 320.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.2 358.1 368.0 378.0 387.9	7.864 7.789 7.641 7.510 7.379 7.288 7.141 6.969 6.850	7.834 7.759 7.609 7.478 7.346 7.255 7.107 6.934 6.654	33.980 33.986 33.995 34.004 34.011 34.013 34.020 34.022 34.016	26.498 26.513 26.542 26.567 26.592 26.606 26.628 26.656 26.674 26.691	27.862 27.923 27.998 28.070 28.141 28.201 28.270 28.344 28.409 28.473	26.493 26.509 26.538 26.563 26.587 26.601 26.624 26.651 26.669 26.686	157.7 156.3 153.7 151.4 149.1 147.9 145.9 145.9 143.3 141.6 140.0	8.090 8.402 8.555 8.705 8.854 9.000 9.145 9.287	90.8 90.8 90.7 90.7 90.7 90.7 90.7 90.7	1486.0 1485.8 1485.4 1485.1 1484.8 1484.6 1484.2 1483.7 1483.4	1420.9 1502.0 1584.7 1668.9 1754.6 1841.8 1930.4 2020.5 2111.9 2204.8	30.0 20.1 5.1 40.2 17.1 18.0 13.2 10.6 6.5 13.8
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.3 467.2 487.1	6.607 6.474 6.384 6.272 6.147 6.060 5.983 5.864 5.779	6.570 6.437 6.347 6.234 6.186 6.108 6.020 5.942 5.942 5.737	34.020 34.033 34.034 34.041 34.056 34.065 34.071 34.083 34.081	26.705 26.733 26.746 26.783 26.801 26.816 26.835 26.849 26.860	28.533 28.608 28.667 28.733 28.798 28.989 28.989 29.107	26.700 26.728 26.741 26.760 26.779 26.795 26.812 26.830 26.843 26.855	138.8 136.2 135.0 133.2 131.6 130.0 128.5 126.8 125.6 124.6	9.568 9.705 9.841 9.975 10.107 10.238 10.367 10.494 10.621 10.746	90.8 90.7 90.6 90.7 90.8 90.7 90.6 90.7	1482.7 1482.4 1482.2 1481.9 1481.8 1481.6 1481.5 1481.1 1481.0	2299.1 2394.7 2491.7 2590.1 2689.7 2790.6 2892.8 2996.3 3101.1 3207.0	23.7 15.5 16.4 26.9 13.4 15.2 11.3 8.4 3.1 24.2
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0	497.0 506.9 516.8 526.8 536.7 546.6 556.4 576.3 586.3	5.635 5.548 5.543 5.427 5.266 5.110 5.058 5.028 4.904	5.593 5.505 5.499 5.383 5.219 5.161 5.065 5.012 4.857	34.081 34.084 34.104 34.102 34.120 34.121 34.130 34.131 34.146	26.877 26.890 26.906 26.920 26.938 26.959 26.971 26.984 26.988 27.014	29.172 29.232 29.294 29.354 29.420 29.488 29.547 29.606 29.730	26.872 26.885 26.901 26.915 26.933 26.954 26.966 26.979 27.009	122.9 121.7 120.3 119.0 117.2 115.2 114.1 112.9 112.6 110.1	10.870 10.992 11.113 11.233 11.351 11.467 11.582 11.695 11.808 11.920	90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7	1480.5 1480.4 1480.5 1480.2 1479.7 1479.4 1479.4 1479.4	3314.2 3422.7 3532.3 3643.1 3755.1 3868.2 3982.5 4097.9 4214.4 4332.0	14.2 12.1 11.9 15.4 25.6 16.8 2.7 11.2 3.9
600.0 610.0 620.0 630.0 640.0 650.0 670.0 680.0 690.0	596.2 606.1 616.0 625.9 635.8 645.7 655.6 665.5 675.5 685.4	4.780 4.742 4.692 4.668 4.637 4.591 4.567 4.515 4.508 4.474	4.733 4.694 4.644 4.619 4.587 4.541 4.516 4.464 4.456 4.421	34.150 34.157 34.171 34.178 34.186 34.202 34.212 34.227 34.223 34.246	27.032 27.042 27.058 27.066 27.076 27.094 27.105 27.123 27.128 27.142	29.795 29.851 29.914 29.969 30.024 30.089 30.146 30.210 30.261 30.322	27.027 27.036 27.053 27.061 27.070 27.089 27.099 27.117 27.122 27.136	108.4 107.5 106.0 105.3 104.5 102.8 101.9 100.2 99.8 98.5	12.029 12.137 12.244 12.350 12.455 12.558 12.660 12.761 12.861 12.960	90.7 90.8 90.7 90.7 90.7 90.7 90.6 90.6	1478.8 1478.8 1478.8 1478.8 1478.9 1478.9 1479.0 1479.1	4450.7 4570.5 4691.3 4813.2 4936.1 5060.0 5184.9 5310.9 5437.8 5565.7	10.3 7.7 15.3 9.7 10.0 15.6 9.1 5.6 8.9
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5 784.4	4.452 4.412 4.403 4.397 4.396 4.378 4.362 4.335 4.316 4.313	4.399 4.358 4.348 4.341 4.320 4.320 4.304 4.276 4.256 4.253	34.257 34.271 34.276 34.291 34.313 34.320 34.340 34.355 34.359 34.367	27.153 27.169 27.174 27.187 27.204 27.212 27.230 27.244 27.250 27.256	30.479 30.441 30.492 30.550 30.613 30.667 30.731 30.792 30.843 30.895	27.147 27.163 27.168 27.181 27.198 27.206 27.223 27.238 27.243 27.250	90.8 89.5 89.1	13.059 13.155 13.251 13.346 13.440 13.533 13.625 13.715 13.804 13.893	90.6 90.7 90.6 90.7 90.6 90.6 90.6 90.6	1479.2 1479.2 1479.3 1479.5 1479.7 1479.8 1479.9 1480.0 1480.1 1480.2	5694.6 5824.5 5955.3 6087.0 6219.6 6353.2 6487.7 6623.1 6759.3 6896.4	11.5 1.8 7.7 18.0 5.7 8.3 13.3 12.7 2.8 12.4
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.302 4.241 4.234 4.194 4.179 4.166 4.177 4.164 4.114	4.241 4.179 4.172 4.131 4.116 4.102 4.112 4.098 4.077 4.051	34.377 34.385 34.391 34.393 34.412 34.418 34.421 34.423 34.423	27.265 27.279 27.284 27.290 27.296 27.308 27.312 27.316 27.319 27.324	30.950 31.010 31.061 31.114 31.166 31.223 31.272 31.323 31.372 31.424	27.259 27.272 27.277 27.283 27.289 27.301 27.304 27.309 27.312 27.317	85.6 85.1 84.0 83.8 83.5 83.2	13.981 14.068 14.154 14.240 14.326 14.410 14.494 14.578 14.661 14.744	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1480.4 1480.3 1480.4 1480.4 1480.5 1480.7 1480.9 1481.0 1481.1 1481.2	7034.4 7173.3 7313.0 7453.5 7594.9 7737.1 7880.2 8024.1 8168.7 8314.3	15.7 2.8 2.7 2.2 3.4 6.6 4.3 5.7 3.1 3.7
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.5 972.4 982.3	4.084 4.075 4.050 4.017 3.987 3.971 3.947 3.892 3.885 3.860	4.016 4.006 3.980 3.947 3.916 3.900 3.875 3.819 3.812 3.786	34.430 34.440 34.445 34.449 34.453 34.457 34.453 34.455 34.455	27.331 27.335 27.343 27.351 27.356 27.361 27.367 27.369 27.372 27.378	31.477 31.527 31.580 31.634 31.687 31.737 31.790 31.839 31.887 31.939	27.324 27.328 27.336 27.343 27.349 27.354 27.360 27.362 27.364 27.371	81.9 81.2 80.5 80.0 79.6 79.0 78.8 78.7	14.827 14.909 14.990 15.071 15.151 15.231 15.310 15.389 15.468 15.546	90.6 90.6 90.6 90.6 90.5 90.5 90.5 90.5	1481.2 1481.3 1481.4 1481.5 1481.6 1481.6 1481.6 1481.7 1481.8	8460.6 8607.7 8755.6 8904.3 9053.8 9204.1 9355.2 9507.0 9659.7 9813.1	5.8 9.0 7.8 11.3 2.3 3.1 9.0 4.6 8.4 5.5

Station	62	Latitude	32' 18.2	6'N	Longitu	ide 126°	47.26'W	29	Aug 1989	GMT 12	:06	Bottom	4250 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0	992.2 1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.6 1150.4 1170.2	3.828 3.780 3.762 3.676 3.583 3.546 3.519 3.458 3.395	3.754 3.704 3.685 3.598 3.531 3.502 3.464 3.435 3.373 3.310	34.465 34.469 34.478 34.483 34.489 34.489 34.500 34.507 34.512	27.385 27.394 27.403 27.412 27.429 27.429 27.445 27.445 27.456 27.467	31.993 32.094 32.194 32.297 32.400 32.499 32.602 32.6699 32.803 32.906	27.378 27.386 27.395 27.404 27.414 27.422 27.437 27.437 27.448 27.458	77.4 76.7 76.0 75.1 74.2 73.5 72.6 72.2 71.2 70.2	15.624 15.778 15.931 16.081 16.230 16.378 16.524 16.524 16.813 16.954	90.6 90.5 90.5 90.5 90.5 90.5 90.5	1481.8 1481.9 1482.2 1482.2 1482.2 1482.4 1482.6 1482.8 1482.9 1483.0	9967.2 10277.8 10591.3 10907.9 11227.3 11549.7 11874.9 12203.0 12533.9 12867.6	7.8 9.9 1.1 2.6 8.2 9.3 4.7 3.2 2.9
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0	1189.9 1209.7 1229.4 1249.2 1268.9 1288.7 1308.5 1328.2 1347.9 1367.7	3.358 3.304 3.275 3.247 3.213 3.184 3.138 3.110 3.063 3.029	3.271 3.216 3.186 3.157 3.121 3.091 3.043 3.014 2.966 2.931	34.516 34.521 34.524 34.527 34.530 34.535 34.537 34.540 34.543 34.545	27.474 27.482 27.487 27.493 27.506 27.512 27.517 27.524 27.528	33.005 33.106 33.204 33.301 33.399 33.497 33.596 33.693 33.693 33.889	27.465 27.474 27.479 27.485 27.490 27.497 27.503 27.508 27.515 27.519	69.6 68.8 68.3 67.9 67.4 66.9 65.9 65.2	17.094 17.232 17.369 17.506 17.641 17.775 17.908 18.040 18.171 18.301	90.6 90.5 90.5 90.5 90.5 90.5 90.5	1483.2 1483.3 1483.5 1483.7 1483.9 1484.1 1484.3 1484.6 1484.6	13204.0 13543.2 13885.0 14229.5 14276.6 14926.4 15278.8 15633.7 15991.2 16351.3	3.5 4.9 5.3 7.5 3.9 5.4 5.8
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0	1387.4 1407.2 1426.9 1446.7 1466.4 1486.1 1505.8 1525.6 1525.6 1545.3	3.004 2.958 2.909 2.866 2.822 2.799 2.752 2.727 2.694 2.652	2.904 2.857 2.807 2.763 2.717 2.694 2.645 2.619 2.585 2.542	34.548 34.551 34.554 34.558 34.561 34.565 34.567 34.570 34.574	27.533 27.540 27.546 27.554 27.560 27.565 27.571 27.576 27.581 27.586	33.986 34.184 34.284 34.383 34.479 34.577 34.577 34.574	27.524 27.531 27.537 27.545 27.556 27.556 27.566 27.566 27.572 27.576	64.4 63.7 63.1 62.4 61.8 61.3 60.3 59.8 59.4	18.431 18.559 18.685 18.811 18.935 19.058 19.181 19.302 19.422 19.541	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1485.0 1485.2 1485.3 1485.4 1485.6 1486.0 1486.0 1486.2 1486.4 1486.5	16713.9 17079.0 17446.6 17816.6 18189.0 18563.9 18941.1 19320.7 19702.7 20086.9	3.1 8.0 3.9 9.8 4.0 4.9 3.1 6.9
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0	1584.8 1604.5 1624.2 1643.9 1663.6 1683.3 1703.0 1722.8 1742.5 1762.2	2.628 2.595 2.558 2.528 2.496 2.467 2.436 2.413 2.383 2.364	2.516 2.482 2.444 2.412 2.379 2.348 2.317 2.292 2.261 2.241	34.577 34.578 34.583 34.584 34.589 34.599 34.591 34.594 34.596 34.598	27.590 27.594 27.601 27.605 27.614 27.618 27.623 27.627 27.630	34.964 35.060 35.159 35.255 35.352 35.448 35.544 35.736 35.830	27.581 27.585 27.591 27.595 27.600 27.604 27.609 27.613 27.617 27.620	59.0 58.6 58.0 57.6 57.1 56.7 55.9 55.5	19.660 19.777 19.894 20.010 20.124 20.238 20.351 20.463 20.575 20.686	90.5 90.5 90.6 90.4 90.5 90.5 90.5	1486.8 1487.0 1487.1 1487.4 1487.6 1487.8 1488.0 1488.2 1488.4 1488.7	20473.5 20862.4 21253.5 21646.9 22042.5 22440.3 22840.4 23242.6 23646.9 24053.5	3.7 6.7 1.7 2.3 1.1 2.9 1.5 2.1 2.4
1800.0 1820.0 1840.0 1860.0 1980.0 1920.0 1940.0 1940.0 1980.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1919.7 1939.4 1959.1	2.343 2.321 2.294 2.266 2.246 2.228 2.209 2.187 2.161 2.145	2.218 2.195 2.167 2.137 2.115 2.097 2.076 2.052 2.026 2.008	34.599 34.602 34.605 34.608 34.610 34.612 34.614 34.616 34.618	27.633 27.637 27.642 27.646 27.651 27.655 27.659 27.663 27.665	35.925 36.020 36.116 36.212 36.306 36.399 36.494 36.589 36.589 36.778	27.623 27.627 27.631 27.636 27.638 27.641 27.644 27.648 27.652 27.654	55.0 54.6 54.2 53.7 53.5 53.3 53.0 52.6 52.3 52.0	20.796 20.905 21.014 21.122 21.229 21.336 21.442 21.548 21.653 21.757	90.5 90.6 90.5 90.4 90.5 90.4 90.5 90.5	1488.9 1489.2 1489.4 1489.6 1489.8 1490.1 1490.6 1490.8 1491.1	24462.1 24872.9 25285.8 25700.8 26117.9 26537.0 26958.2 27381.5 27806.8 28234.1	2.7 3.0 2.4 1.6 1.9 2 3.1 2.2 2.2
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2350.0 2450.0	1978.8 2028.0 2077.2 2126.4 2175.5 2224.7 2273.8 2323.0 2372.1 2421.2	2.118 2.076 2.035 1.997 1.964 1.928 1.898 1.868 1.835 1.807	1.980 1.934 1.890 1.848 1.811 1.770 1.737 1.703 1.667	34.620 34.630 34.633 34.637 34.640 34.643 34.646 34.650 34.650	27.669 27.677 27.684 27.690 27.695 27.701 27.706 27.711 27.717 27.721	36.873 37.108 37.342 37.575 37.807 38.040 38.270 38.501 38.732 38.961	27.658 27.666 27.672 27.678 27.683 27.689 27.694 27.698 27.704 27.708	51.7 51.0 50.3 49.8 49.4 48.8 48.4 48.0 47.5	21.861 22.117 22.370 22.620 22.868 23.113 23.357 23.598 23.837 24.073	90.4 90.5 90.4 90.5 90.4 90.5 90.4 90.5	1491.3 1492.0 1492.6 1493.3 1494.0 1494.7 1495.4 1496.1 1496.8 1497.6	28663.4 29745.3 30839.5 31945.8 33064.1 34194.3 35336.2 36489.7 37654.8 38831.2	2.3 2.9 1.5 1.5 2.1 1.3 1.6 1.4
2500.0 2550.0 2600.0 2700.0 2750.0 2800.0 2850.0 2950.0	2470.3 2519.4 2568.5 2617.5 2666.6 2715.6 2764.7 2813.7 2862.7 2911.7	1.786 1.766 1.743 1.724 1.706 1.687 1.664 1.649 1.637 1.620	1.610 1.585 1.558 1.535 1.512 1.490 1.462 1.442 1.426	34.653 34.655 34.658 34.669 34.662 34.665 34.665 34.667 34.667	27.724 27.727 27.731 27.734 27.738 27.741 27.744 27.747 27.749 27.752	39.189 39.417 39.646 39.872 40.100 40.326 40.553 40.779 41.003 41.229	27.711 27.714 27.718 27.720 27.723 27.726 27.729 27.732 27.733 27.736	47.0 46.7 46.4 46.2 46.0 45.8 45.3 45.3	24.308 24.543 24.776 25.007 25.238 25.468 25.696 25.923 26.149 26.375	90.5 90.4 90.3 90.4 90.4 90.4 90.4 90.4	1498.3 1499.1 1499.8 1500.6 1501.3 1502.1 1502.9 1503.6 1504.4 1505.2	40019.0 41218.0 42428.2 43649.6 44881.9 46125.3 47379.6 48644.8 49920.8 51207.6	6 2.4 7 2.8 1 .6 .9 1.8
3000.0 3050.0 3100.0 3150.0 3250.0 3300.0 3350.0 3400.0	2960.7 3009.7 3058.6 3107.6 3156.5 3205.5 3254.4 3303.3 3352.2 3401.1	1.607 1.593 1.580 1.571 1.561 1.550 1.542 1.532 1.525	1.387 1.369 1.351 1.338 1.323 1.308 1.295 1.280 1.268 1.258	34.670 34.672 34.673 34.675 34.676 34.677 34.678 34.680 34.682 34.682	27.753 27.756 27.758 27.761 27.763 27.765 27.767 27.769 27.772 27.772	41.453 41.677 41.901 42.125 42.347 42.570 42.793 43.015 43.238 43.458	27.738 27.740 27.742 27.744 27.746 27.747 27.749 27.751 27.753 27.754	45.0 44.8 44.7 44.6 44.5 44.4 44.2 44.1	26.600 26.824 27.048 27.271 27.494 27.717 27.938 28.160 28.381 28.602	90.4 90.3 90.4 90.4 90.4 90.4 90.5	1506.0 1506.8 1507.6 1508.4 1509.2 1510.0 1511.7 1512.5 1513.3	52505.2 53813.5 55132.4 56462.0 57802.2 59153.0 60514.3 61886.2 63268.6 64661.5	.7 .8 1.4 1.5 .3 1.0 1.3 1
3500.0 3550.0 3600.0 3650.0 3700.0 3800.0 3850.0 3950.0	3450.0 3498.8 3547.7 3596.5 3645.4 3694.2 3791.8 3840.6 3889.4	1.515 1.509 1.505 1.503 1.500 1.500 1.500 1.500	1.249 1.237 1.228 1.222 1.214 1.207 1.202 1.197 1.191	34.683 34.684 34.685 34.686 34.688 34.688 34.689 34.689 34.689	27.774 27.776 27.777 27.778 27.779 27.780 27.781 27.782 27.783 27.784	43.679 43.900 44.120 44.339 44.558 44.777 44.995 45.214 45.431 45.649	27.755 27.756 27.757 27.758 27.759 27.760 27.760 27.761 27.761 27.761	44.2 44.1 44.2 44.2 44.3 44.4 44.4	28.823 29.043 29.264 29.485 29.706 29.927 30.149 30.371 30.594 30.817	90.3 90.4 90.4 90.4 90.4 90.4 90.4 90.3	1514.2 1515.0 1515.8 1516.7 1517.5 1518.4 1519.2 1520.1 1521.0 1521.8	66064.9 67478.7 68903.1 70337.9 71783.1 73238.9 74705.1 76181.9 77669.1 79167.0	1.8 -1 -7 4 3 3 1.8 5
4000.0 4050.0 4100.0 4150.0 4200.0 4250.0 4300.0 4338.0	3938.1 3986.9 4035.6 4084.4 4133.1 4181.8 4230.5 4267.5	1.504 1.506 1.508 1.511 1.514 1.517 1.521	1.184 1.181 1.178 1.175 1.172 1.170 1.168 1.164	34.690 34.691 34.692 34.692 34.692 34.692 34.692	27.784 27.785 27.785 27.786 27.786 27.786 27.786 27.786 27.787	45.865 46.082 46.298 46.514 46.730 46.945 47.160 47.324	27.761 27.762 27.762 27.762 27.762 27.762 27.761 27.762	44.9 45.0 45.1 45.3 45.4 45.6 45.8	31.041 31.265 31.491 31.717 31.944 32.171 32.400 32.574	90.3 90.4 90.4 90.3 90.3 90.3	1522.7 1523.6 1524.4 1525.3 1526.2 1527.1 1527.9 1528.6	80675.4 82194.4 83724.0 85264.3 86815.3 88377.0 89949.5 91151.9	4 6 9 5 -1.3

Station	63	Latitude	32. 10.	64'N	Longit	ude 126°	51.94'W	29	Aug 1989	GMT 1	5:14		
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.9 49.8 59.8 79.8 89.7	18.971 18.972 18.972 18.975 18.975 18.966 17.129 16.118 15.512	18.971 18.970 18.969 18.966 18.968 18.967 18.655 17.118 16.106 15.498	33.478 33.477 33.477 33.478 33.478 33.519 33.600 33.626 33.627	23.867 23.866 23.867 23.868 23.868 23.977 24.413 24.4667 24.805	23.867 23.910 23.954 23.997 24.041 24.085 24.238 24.719 25.019 25.201	23.866 23.866 23.866 23.866 23.866 23.866 23.866 23.866 24.811 24.665 24.802	402.8 403.1 403.5 403.8 404.1 404.4 394.3 353.0 329.0 316.1	.000 .403 .806 1.210 1.614 2.018 2.419 2.795 3.136 3.459	90.1 90.0 90.1 90.1 89.7 89.9 69.9 90.1	1517.5 1517.6 1517.8 1518.0 1518.1 1518.3 1517.6 1513.4 1510.5 1508.8	.0 2.0 8.0 18.1 32.2 50.3 72.4 98.4 128.0 160.8	0 5 4 4 8 44.2 180.9 270.8 198.3 138.2
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.3 179.3 189.2	15.281 14.784 14.437 14.101 13.657 13.087 12.558 11.733 11.254 10.528	15.266 14.768 14.419 14.083 13.637 13.067 12.537 11.712 11.232 10.506	33.641 33.632 33.652 33.647 33.619 33.592 33.566 33.573 33.574	24.867 24.969 25.058 25.125 25.289 25.374 25.535 25.780	25.307 25.454 25.589 25.700 25.816 25.956 26.086 26.295 26.430 26.634	24.864 24.965 25.055 25.121 25.191 25.285 25.369 25.531 25.620 25.776	310.5 301.0 292.7 286.6 280.1 271.3 263.4 248.1 239.7 224.8	3.772 4.079 4.376 4.665 4.947 5.223 5.490 5.745 5.988 6.222	90.2 90.3 90.4 90.4 90.6 90.7 90.7 90.7	1508.2 1506.8 1505.9 1504.9 1503.6 1501.8 1500.2 1497.5 1496.0 1493.6	196.8 235.9 278.0 323.0 370.8 421.5 474.8 530.6 589.0 649.7	60.9 160.7 76.0 68.0 19.3 64.6 94.4 108.9 54.6 271.8
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.1 229.0 238.9 248.9 258.8 268.7 278.7 288.6	9.874 9.412 9.187 8.893 8.747 8.624 8.453 8.333 8.090 7.894	9.851 9.389 9.163 8.868 8.722 8.597 8.426 8.305 8.062 7.865	33.649 33.733 33.810 33.874 33.905 33.939 33.963 33.974 33.991 33.994	25.923 26.064 26.160 26.257 26.305 26.351 26.396 26.423 26.472 26.504	26.824 27.013 27.155 27.298 27.392 27.483 27.575 27.648 27.744 27.823	25.919 26.060 26.157 26.253 26.301 26.347 26.392 26.419 26.468 26.500	211.3 197.9 188.9 179.8 175.4 171.2 167.0 164.6 159.9 156.9	6.439 6.645 6.838 7.021 7.199 7.372 7.541 7.707 7.870 8.028	90.8 90.8 90.8 90.7 90.7 90.8 90.8 90.9	1491.4 1490.0 1489.4 1488.6 1488.2 1488.0 1487.5 1487.3 1486.5 1485.9	712.7 777.7 844.7 913.6 984.3 1056.7 1130.8 1206.5 1283.9 1362.8	95.7 110.5 218.2 58.0 62.7 73.8 11.1 34.2 30.7
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.3 348.2 358.1 368.0 378.0	7.803 7.552 7.491 7.357 7.225 7.114 7.068 6.885 6.785	7.773 7.522 7.460 7.326 7.192 7.081 7.034 6.851 6.750 6.658	34.006 34.009 34.009 34.015 34.017 34.025 34.025 34.027 34.041 34.044	26.526 26.565 26.574 26.598 26.618 26.633 26.646 26.673 26.697 26.712	27.891 27.976 28.032 28.102 28.169 28.230 28.288 28.362 28.433 28.494	26.522 26.561 26.570 26.593 26.614 26.629 26.642 26.668 26.693 26.708	154.9 151.3 150.6 148.4 146.5 145.2 144.1 141.6 139.3 138.0	8.184 8.337 8.488 8.637 8.785 8.931 9.075 9.219 9.359 9.498	90.7 90.7 90.7 90.7 90.7 90.7 90.6 90.7	1485.8 1485.0 1484.9 1484.5 1484.2 1483.9 1483.9 1483.1 1482.9	1443.3 1525.4 1608.9 1693.9 1780.4 1868.4 1957.8 2048.6 2140.8 2234.4	42.6 15.3 19.4 5.7 14.7 10.6 17.5 22.9
400.0 410.0 420.0 430.0 440.0 450.0 460.0 480.0 490.0	397.8 407.7 417.7 427.6 437.5 447.4 457.3 477.2 487.1	6.566 6.443 6.261 6.116 6.031 5.785 5.745 5.745 5.714	6.530 6.406 6.224 6.079 5.993 5.864 5.745 5.705 5.561	34.044 34.049 34.056 34.053 34.063 34.067 34.072 34.077 34.077	26.729 26.750 26.779 26.813 26.832 26.851 26.858 26.858	28.558 28.625 28.701 28.764 28.830 28.896 28.961 29.014 29.067 29.132	26.725 26.745 26.774 26.789 26.809 26.827 26.846 26.853 26.859 26.878	136.4 134.6 131.8 130.3 128.5 126.8 125.0 124.5 123.9 122.2	9.635 9.771 9.904 10.035 10.164 10.292 10.418 10.542 10.667 10.790	90.6 90.5 90.6 90.6 90.6 90.6 90.5	1482.6 1482.3 1481.7 1481.3 1481.1 1480.8 1480.5 1480.5 1480.5	2329.3 2425.6 2523.2 2622.2 2722.4 2823.9 2926.6 3030.6 3135.8 3242.2	18.4 48.3 14.3 21.0 6.6 11.6 18.6 16.8 27.7
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.9 526.8 536.7 546.6 556.5 566.4 576.3	5.481 5.447 5.301 5.268 5.202 5.093 5.076 5.064 5.068	5.440 5.259 5.225 5.158 5.048 5.031 5.019 5.021	34.090 34.114 34.125 34.146 34.151 34.163 34.185 34.200 34.210	26.903 26.911 26.943 26.956 26.956 27.008 27.027 27.027 27.039 27.052	29.199 29.254 29.333 29.392 29.463 29.526 29.584 29.649 29.706 29.766	26.898 26.906 26.938 26.951 26.975 26.991 27.003 27.022 27.033 27.047	120.3 119.6 116.6 115.4 113.1 111.6 110.5 108.9 108.0 106.7	10.911 11.031 11.149 11.265 11.379 11.492 11.603 11.713 11.821 11.929	90.5 90.5 90.5 90.6 90.6 90.6 90.5	1479.9 1480.0 1479.6 1479.6 1479.5 1479.2 1479.4 1479.7 1479.7	3349.8 3458.6 3568.6 3679.8 3792.0 3905.4 4019.9 4135.5 4252.2 4369.9	26.8 23.5 23.5 11.2 20.3 13.3 12.4 7.7 9.2
600.0 610.0 620.0 630.0 640.0 650.0 670.0 680.0 690.0	596.2 606.1 616.0 625.9 635.8 645.7 655.6 665.5 685.4	5.004 4.956 4.850 4.845 4.842 4.877 4.779 4.742 4.715 4.677	4.956 4.907 4.801 4.795 4.791 4.770 4.727 4.690 4.662 4.623	34.222 34.236 34.236 34.248 34.257 34.270 34.279 34.294 34.301 34.308	27.063 27.081 27.092 27.102 27.110 27.122 27.135 27.151 27.159 27.169	29.823 29.887 29.945 30.001 30.055 30.113 30.172 30.234 30.289 30.344	27.058 27.075 27.087 27.097 27.104 27.117 27.129 27.145 27.153 27.163	105.8 104.2 103.1 102.2 101.6 100.5 97.9 97.2 96.4	12.035 12.140 12.243 12.346 12.448 12.549 12.649 12.748 12.846 12.942	90.5 90.6 90.6 90.5 90.5 90.5 90.5	1479.8 1479.8 1479.5 1479.7 1479.8 1479.9 1480.0 1480.0	4488.6 4608.5 4729.3 4851.1 4974.0 5097.9 5222.7 5348.5 5603.1	15.9 16.5 1.6 12.1 2.7 14.8 19.4 11.5
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.8 754.7 764.6 774.5 784.4	4.637 4.600 4.563 4.501 4.460 4.449 4.405 4.383 4.326 4.313	4.582 4.544 4.507 4.445 4.391 4.347 4.324 4.267 4.252	34.318 34.333 34.340 34.347 34.356 34.356 34.366 34.369 34.376 34.381	27.181 27.197 27.207 27.220 27.230 27.233 27.246 27.250 27.262 27.268	30.403 30.466 30.522 30.581 30.638 30.687 30.746 30.796 30.855 30.907	27.175 27.191 27.201 27.214 27.224 27.227 27.240 27.244 27.256 27.261	95.2 93.8 92.9 91.7 90.8 90.5 89.4 89.0 87.9	13.038 13.133 13.226 13.318 13.409 13.500 13.590 13.680 13.768 13.856	90.5 90.6 90.5 90.5 90.5 90.5 90.5 90.6	1480.0 1480.1 1480.1 1480.0 1480.0 1480.1 1480.1 1480.2 1480.1 1480.3	5731.8 5861.4 5992.0 6123.4 6255.8 6389.0 6523.2 6658.2 6794.1 6930.9	19.7 15.9 9.5 10.4 -1.1 5.7 23.3 8.0 18.6
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.285 4.240 4.202 4.193 4.158 4.123 4.092 4.057 4.041 4.005	4.224 4.179 4.140 4.130 4.059 4.059 4.027 3.992 3.975 3.938	34.388 34.392 34.393 34.409 34.415 34.417 34.423 34.425 34.425	27.272 27.281 27.288 27.290 27.306 27.315 27.320 27.328 27.331 27.337	30.958 31.013 31.066 31.114 31.177 31.231 31.283 31.338 31.387 31.439	27.266 27.274 27.281 27.283 27.300 27.308 27.313 27.322 27.325 27.330	87.1 86.3 85.7 85.6 84.1 83.3 82.9 82.1 81.8	13.943 14.030 14.116 14.202 14.286 14.370 14.453 14.536 14.618 14.699	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1480.3 1480.3 1480.4 1480.5 1480.5 1480.5 1480.5 1480.7	7068.5 7207.0 7346.3 7446.5 7627.5 7769.3 7911.9 8055.4 8199.7 8344.7	8.3 6.6 9.8 9.8 5.1 10.1 5.1 10.1 8.7
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0 990.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.5 972.4 982.3	4.001 3.980 3.961 3.942 3.930 3.918 3.885 3.865 3.828 3.815	3.933 3.912 3.892 3.872 3.859 3.847 3.813 3.793 3.755 3.742	34.432 34.437 34.439 34.446 34.450 34.455 34.455 34.459 34.461 34.467	27.342 27.347 27.351 27.358 27.368 27.368 27.372 27.377 27.382 27.389	31.489 31.541 31.590 31.644 31.746 31.746 31.796 31.847 31.899 31.951	27.335 27.340 27.344 27.352 27.356 27.361 27.365 27.370 27.375 27.375	81.0 80.5 80.2 79.5 79.2 78.8 78.4 78.0 77.5	14.780 14.861 14.941 15.021 15.101 15.180 15.258 15.337 15.414 15.491	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1480.8 1480.9 1481.0 1481.1 1481.2 1481.3 1481.4 1481.5 1481.5	8490.6 8637.3 8784.7 8932.9 9081.9 9231.7 9382.3 9533.6 9685.7 9838.6	4.0 6.9 6.9 8.7 1.9 3.1 2.2 2.8 1 2.3

Station	63	Latitude	32. 10.	64'N	Longit	ide 126°	51.94'W	29	Aug 1989	GMT 1	5:14	Bottom	3350 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht	LTR 0/0	SV m/s	m3/s2	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0 1120.0 1140.0 1160.0	992.2 1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.6 1150.4 1170.2	3.807 3.752 3.740 3.703 3.679 3.628 3.576 3.539 3.447 3.416	3.733 3.677 3.663 3.624 3.599 3.547 3.493 3.455 3.402 3.330	34.472 34.481 34.483 34.487 34.491 34.500 34.507 34.510 34.518	27.393 27.406 27.409 27.416 27.422 27.431 27.440 27.448 27.457 27.470	32.001 32.107 32.201 32.300 32.398 32.500 32.600 32.702 32.802 32.908	27.386 27.399 27.408 27.414 27.423 27.431 27.441 27.448 27.461	76.6 75.3 74.8 74.4 73.5 72.8 72.0 71.2	15.568 15.720 15.871 16.021 16.171 16.319 16.465 16.610 16.753 16.894	90.5 90.4 90.4 90.5 90.5 90.4 90.4 90.4	1481.7 1481.8 1482.1 1482.3 1482.5 1482.6 1482.8 1482.9 1483.1 1483.1	9992.2 10301.6 10614.0 10929.4 11247.7 11568.9 11892.9 12219.8 12549.6 12882.1	10.8 6.7 3.5 7.6 5.0 6.4 5.8 11.4 3.8
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0 1380.0	1189.9 1209.7 1229.4 1249.2 1269.0 1288.7 1308.5 1328.2 1348.0 1367.7	3.359 3.306 3.265 3.202 3.186 3.150 3.125 3.109 3.089 3.053	3.272 3.218 3.175 3.111 3.094 3.057 3.030 3.013 2.992 2.954	34.521 34.527 34.530 34.535 34.536 34.539 34.541 34.542 34.544 34.549	27.478 27.487 27.494 27.503 27.506 27.511 27.516 27.518 27.522 27.529	33.009 33.111 33.210 33.313 33.407 33.505 33.600 33.694 33.789 33.888	27.470 27.479 27.485 27.495 27.503 27.507 27.509 27.513 27.520	69.2 68.4 67.7 66.8 66.2 65.9 65.7 65.5	17.033 17.170 17.307 17.441 17.575 17.707 17.839 17.971 18.102 18.233	90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4	1483.2 1483.3 1483.5 1483.5 1483.6 1484.0 1484.2 1484.5 1484.7 1484.9	13217.3 13555.3 13895.9 14239.1 14584.9 14933.4 15284.4 15638.0 15994.2 16352.9	3.5 9.1 1.8 1.6 1.6 3.3
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.4 1407.2 1426.9 1446.7 1466.4 1486.1 1505.9 1525.6 1545.3 1565.0	3.039 3.018 2.979 2.892 2.853 2.818 2.789 2.7752 2.718 2.695	2.939 2.916 2.877 2.789 2.748 2.712 2.681 2.643 2.609 2.584	34.552 34.554 34.557 34.565 34.566 34.568 34.570 34.573 34.573	27.533 27.537 27.543 27.554 27.561 27.565 27.568 27.574 27.579 27.583	33.984 34.079 34.178 34.283 34.382 34.478 34.573 34.671 34.768 34.863	27.524 27.528 27.534 27.545 27.556 27.556 27.559 27.565 27.570 27.573	64.5 64.2 63.7 62.5 61.8 61.5 60.6 60.1 59.8	18.362 18.491 18.619 18.745 18.869 18.992 19.115 19.237 19.358 19.478	90.5 90.4 90.4 90.4 90.4 90.4 90.4	1485.2 1485.4 1485.6 1485.6 1485.7 1486.1 1486.3 1486.5 1486.7	16714.1 17077.9 17444.1 17812.8 18184.0 18557.5 18933.5 19311.8 19692.5 20075.5	4.5 9.8 2.5 5.7 4 2.8 10.2 1.1
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.5 1624.2 1643.9 1663.6 1683.3 1703.1 1722.8 1742.5 1762.2	2.664 2.640 2.606 2.590 2.548 2.517 2.477 2.445 2.413 2.390	2.551 2.526 2.491 2.473 2.430 2.398 2.357 2.324 2.291 2.266	34.577 34.582 34.583 34.587 34.589 34.592 34.595 34.598 34.600	27.588 27.591 27.598 27.606 27.610 27.616 27.621 27.626 27.630	34.960 35.055 35.153 35.246 35.345 35.441 35.540 35.636 35.733 35.828	27.578 27.582 27.587 27.589 27.596 27.600 27.606 27.611 27.616 27.619	59.4 59.1 58.6 58.4 57.7 57.3 56.7 56.2 55.7	19.597 19.716 19.834 19.951 20.067 20.182 20.296 20.409 20.521 20.632	90.4 90.5 90.5 90.4 90.4 90.4 90.4	1486.9 1487.2 1487.4 1487.8 1488.0 1488.1 1488.3 1488.5 1488.8	20460.8 20848.5 21238.4 21630.6 22025.1 22421.8 22820.7 23221.9 2625.2 24030.7	1.4 4.6 1.7 2.6 10.0 6 1.5 3.0 2.4
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1919.8 1939.4 1959.1	2.371 2.339 2.309 2.289 2.274 2.256 2.234 2.208 2.182 2.158	2.246 2.212 2.181 2.160 2.143 2.124 2.101 2.073 2.046 2.020	34.601 34.604 34.607 34.609 34.612 34.614 34.616 34.619 34.621	27.632 27.637 27.642 27.645 27.651 27.654 27.659 27.663 27.667	35.922 36.019 36.116 36.209 36.303 36.397 36.492 36.588 36.684 36.779	27.622 27.627 27.632 27.634 27.637 27.640 27.643 27.648 27.652 27.656	55.2 54.7 54.2 54.0 53.8 53.5 53.5 52.7 52.3 52.0	20.743 20.853 20.961 21.069 21.177 21.285 21.391 21.497 21.602 21.706	90.4 90.5 90.4 90.4 90.4 90.5 90.4 90.5	1489.0 1489.2 1489.4 1489.7 1490.0 1490.2 1490.5 1490.7 1490.9	24438.3 24848.0 25259.9 25673.9 26089.9 26508.0 26928.2 27350.5 27774.8 28201.0	3.0 1.5 1.8 2 .1 5 4.0 .7
2000.0 2050.0 2100.0 2150.0 2200.0 2350.0 2350.0 2400.0 2450.0	1978.8 2028.0 2077.2 2126.4 2175.6 2224.7 2273.9 2323.0 2372.1 2421.2	2.151 2.118 2.058 2.022 1.988 1.938 1.908 1.872 1.847	2.012 1.975 1.912 1.872 1.834 1.780 1.747 1.707 1.678	34.622 34.625 34.631 34.634 34.638 34.643 34.643 34.646 34.648	27.668 27.674 27.683 27.689 27.695 27.701 27.705 27.711 27.715 27.719	36.870 37.103 37.341 37.573 37.805 38.039 38.268 38.500 38.730 38.958	27.656 27.662 27.672 27.677 27.683 27.689 27.692 27.698 27.702 27.706	51.9 51.5 50.5 50.0 49.6 48.9 48.1 47.7	21.810 22.069 22.324 22.575 22.824 23.070 23.313 23.555 23.794 24.032	90.4 90.4 90.3 90.4 90.4 90.4 90.4 90.4	1491.4 1492.1 1492.7 1493.4 1494.1 1494.7 1495.5 1496.1 1496.9 1497.6	28629.4 29708.9 30800.8 31904.9 33021.0 34148.9 35288.7 36440.1 37603.1 38777.5	.8 2.3 9 -1 .1 .8 3
2500.0 2550.0 2650.0 2700.0 2750.0 2850.0 2900.0 2950.0	2470.3 2519.4 2568.5 2617.6 2666.6 2715.7 2764.7 2813.7 2862.7 2911.7	1.810 1.789 1.766 1.753 1.731 1.705 1.680 1.672 1.640 1.628	1.633 1.608 1.580 1.563 1.537 1.507 1.478 1.465 1.429	34.653 34.654 34.657 34.657 34.659 34.662 34.664 34.665 34.668	27.722 27.725 27.729 27.730 27.734 27.738 27.742 27.744 27.749 27.749	39.186 39.413 39.642 39.867 40.094 40.322 40.550 40.774 41.003 41.227	27.708 27.711 27.715 27.717 27.720 27.724 27.728 27.729 27.733 27.735	47.3 47.1 46.8 46.8 46.5 46.1 45.8 45.8 45.3	24.269 24.506 24.742 24.976 25.208 25.440 25.670 25.898 26.126 26.353	90.4 90.3 90.4 90.3 90.4 90.4 90.3 90.3 90.3	1498.4 1499.2 1499.9 1500.7 1501.5 1502.2 1502.9 1503.7 1504.5 1505.3	39963.4 41160.5 42369.0 43588.7 44819.6 46061.6 47314.7 48578.6 49853.5 51139.2	.3 .9 1.9 4 1.4 1.4 1.2 .9
3000.0 3050.0 3100.0 3150.0 3200.0 3250.0 3300.0 3324.0	2960.7 3009.7 3058.7 3107.6 3156.6 3205.5 3254.4 3277.9	1.616 1.599 1.584 1.567 1.560 1.554 1.551	1.397 1.375 1.356 1.334 1.322 1.311 1.303 1.302	34.670 34.672 34.673 34.675 34.677 34.677 34.679 34.678	27.753 27.756 27.758 27.762 27.763 27.764 27.766 27.766	41.451 41.676 41.901 42.126 42.348 42.570 42.791 42.897	27.737 27.740 27.742 27.745 27.746 27.747 27.748 27.748	45.1 44.7 44.5 44.5 44.5 44.5	26.579 26.804 27.028 27.251 27.473 27.695 27.918 28.025	90.3 90.3 90.3 90.3 90.4 90.3 90.3	1506.1 1506.8 1507.6 1508.4 1509.2 1510.0 1510.9	52435.7 53743.0 55061.0 56389.6 57728.8 59078.6 60438.9 61095.6	-1.0 .2 .0 8 -1.1 7

Station	64	Latitude	32. 06.	20'N	Longit	ude 126°	55.46'W	29	Aug 1989	GMT 1	7:39	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma -0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0	10.0 19.9 29.9 39.9 49.8 59.8 69.8 79.7	18.973 18.964 18.960 18.720 18.364 17.941 16.513 16.314	18.973 18.962 18.957 18.955 18.713 18.355 17.931 16.502 16.301 15.866	33.435 33.435 33.435 33.436 33.455 33.467 33.627 33.739 33.722	23.833 23.836 23.837 23.838 23.899 24.003 24.117 24.577 24.710 24.796	23.833 23.880 23.924 23.968 24.073 24.221 24.378 24.884 25.061 25.191	23.833 23.836 23.836 23.837 23.898 24.001 24.114 24.575 24.707 24.793	405.9 406.0 406.3 406.6 401.1 391.5 381.0 337.3 325.0 317.1	.000 .406 .812 1.219 1.624 2.019 2.407 2.761 3.092 3.413	90.1 90.1 90.0 90.1 90.0 90.0 90.0 90.1	1517.4 1517.6 1517.7 1517.9 1517.4 1516.5 1515.5 1511.6 1511.2 1510.1	.0 2.0 8.1 18.2 32.4 50.6 72.6 98.4 127.6 160.0	2.8 -1.4 6.8 169.4 32.1 222.6 171.7 114.3 96.7
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3	15.818 14.939 14.153 12.881 13.931 13.183 11.686 11.010 10.525 10.139	15.802 14.923 14.136 12.864 13.911 13.163 11.666 10.990 10.504 10.117	33.792 33.643 33.576 33.369 33.738 33.745 33.601 33.592 33.633 33.664	24.865 24.944 25.059 25.157 25.231 25.389 25.665 25.799 25.889	25.304 25.429 25.590 25.736 25.851 26.055 26.281 26.608 26.745	24.861 24.940 25.055 25.154 25.227 25.385 25.561 25.678 25.795 25.886	310.8 303.5 292.6 283.3 276.8 261.9 244.9 233.9 222.8 214.3	3.727 4.033 4.332 4.622 4.901 5.170 5.423 5.662 5.891 6.110	90.2 90.4 90.4 90.5 90.6 90.7 90.8 90.9	1510.1 1507.3 1504.9 1500.5 1504.7 1502.4 1497.2 1495.0 1493.5 1492.3	195.5 234.2 275.8 320.4 367.8 417.9 470.6 525.7 583.2 642.9	39.2 99.3 74.2 101.4 178.3 132.9 108.7 109.0 141.4
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 248.9 258.8 268.7 278.6 288.6	9.762 9.377 9.012 8.862 8.736 8.466 8.327 8.126 8.019 7.829	9.740 9.354 8.989 8.838 8.711 8.441 8.300 8.099 7.991 7.801	33.706 33.771 33.837 33.881 33.933 33.965 33.983 33.993 33.993	25.985 26.099 26.209 26.268 26.328 26.395 26.431 26.469 26.484 26.514	26.887 27.048 27.205 27.309 27.416 27.529 27.610 27.695 27.756 27.833	25.981 26.096 26.264 26.325 26.391 26.427 26.465 26.479 26.510	205.3 194.5 184.1 178.8 173.1 166.9 163.6 160.1 158.8 156.0	6.320 6.520 6.709 6.891 7.067 7.238 7.402 7.564 7.723 7.880	90.8 90.9 90.9 90.9 90.9 90.9 90.8 90.8	1491.1 1489.9 1488.8 1488.5 1488.2 1487.4 1487.1 1486.5 1486.2 1485.7	704.7 768.5 834.2 901.8 971.2 1042.2 1115.0 1189.3 1265.2 1342.7	89.8 49.9 69.4 64.2 55.4 65.3 35.7 31.0 22.4
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.2 358.1 368.0 377.9 387.9	7.630 7.429 7.295 7.023 6.860 6.707 6.613 6.523 6.491 6.331	7.601 7.399 7.264 6.992 6.829 6.675 6.580 6.490 6.457 6.297	33.992 33.996 33.995 34.003 34.009 34.013 34.011 34.021 34.029 34.033	26.541 26.573 26.591 26.635 26.661 26.685 26.717 26.727 26.750	27.906 27.985 28.050 28.141 28.214 28.285 28.343 28.409 28.465 28.536	26.536 26.569 26.587 26.630 26.657 26.681 26.692 26.712 26.722	153.5 150.5 148.8 144.7 142.2 139.0 137.2 136.3 134.1	8.035 8.187 8.337 8.483 8.627 8.768 8.768 9.045 9.182 9.317	90.8 90.7 90.8 90.7 90.6 90.6 90.6 90.6	1485.1 1484.5 1484.1 1483.2 1482.7 1482.3 1482.1 1481.9 1482.0 1481.5	1421.8 1502.3 1584.4 1667.9 1752.8 1839.2 1926.9 2016.0 2106.5 2198.3	38.8 9.2 53.7 20.5 30.1 6.7 24.0 9.3 14.9 23.6
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.3 477.2 487.1	6.283 6.142 6.137 6.037 5.970 5.863 5.838 5.718 5.455	6.248 6.106 6.100 6.000 5.932 5.825 5.799 5.678 5.567	34.044 34.046 34.060 34.078 34.079 34.090 34.086 34.095 34.093	26.765 26.786 26.797 26.814 26.833 26.847 26.858 26.870 26.891 26.908	28.597 28.664 28.721 28.785 28.850 28.911 28.968 29.027 29.095 29.159	26.761 26.781 26.792 26.809 26.828 26.854 26.854 26.865 26.886 26.903	132.7 130.9 129.9 128.3 126.6 125.3 124.4 123.2 121.3 119.6	9.451 9.582 9.713 9.842 9.969 10.095 10.220 10.344 10.466 10.586	90.6 90.6 90.5 90.5 90.5 90.6 90.6 90.6	1481.5 1481.1 1481.2 1481.0 1480.9 1480.6 1480.7 1480.4 1480.1 1479.7	2291.4 2385.9 2481.6 2578.6 2676.9 2776.5 2877.2 2979.2 3082.5 3186.9	23.0 13.7 21.0 16.3 12.8 5.4 14.5 10.4 18.9 15.6
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.8 526.8 536.7 546.6 556.5 566.4 576.3 586.3	5.392 5.316 5.216 5.072 5.015 5.052 4.965 5.082 4.936 4.805	5.351 5.274 5.174 5.030 4.972 5.008 4.921 5.036 4.890 4.759	34.100 34.113 34.116 34.125 34.153 34.155 34.155 34.184 34.185 34.179	26.920 26.932 26.952 26.971 26.985 27.003 27.014 27.024 27.042 27.052	29.218 29.277 29.344 29.410 29.470 29.534 29.534 29.592 29.646 29.711 29.769	26.916 26.927 26.947 26.966 26.980 26.98 27.009 27.019 27.036 27.047	118.5 117.4 115.5 113.7 112.5 110.9 109.8 109.2 107.5 106.4	10.705 10.823 10.940 11.054 11.167 11.279 11.390 11.500 11.608 11.715	90.5 90.6 90.6 90.5 90.5 90.6 90.6	1479.6 1479.4 1479.2 1478.8 1478.7 1479.1 1478.9 1479.6 1479.1 1478.8	3292.5 3399.2 3507.1 3616.2 3726.4 3837.7 3950.1 4063.5 4178.1 4293.7	9.5 12.1 29.9 21.7 7.7 13.8 8.0 18.8 18.5
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.7 655.6 665.5 675.4 685.3	4.874 4.785 4.821 4.835 4.817 4.782 4.772 4.729 4.689 4.674	4.826 4.737 4.772 4.786 4.767 4.731 4.720 4.677 4.636 4.620	34.213 34.223 34.242 34.259 34.268 34.285 34.294 34.308 34.317 34.319	27.071 27.089 27.100 27.112 27.121 27.139 27.147 27.164 27.175 27.178	29.833 29.897 29.954 30.011 30.066 30.130 30.184 30.247 30.305 30.354	27.066 27.083 27.095 27.106 27.115 27.133 27.141 27.158 27.169 27.172	104.9 103.2 102.3 101.3 100.5 98.2 96.7 95.7 95.5	11.820 11.925 12.027 12.129 12.329 12.329 12.428 12.525 12.622 12.717	90.5 90.6 90.6 90.5 90.5 90.5 90.6 90.7	1479.2 1479.1 1479.4 1479.6 1479.7 1479.8 1479.9 1479.9 1479.9	4410.3 4528.0 4646.7 4766.4 4887.1 5008.8 5131.4 5255.1 5379.6 5505.2	20.6 21.1 5.9 8.0 21.5 4.8 6.8 3.3 11.5
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.8 754.7 764.6 774.5 784.4	4.662 4.647 4.605 4.558 4.556 4.499 4.445 4.410 4.391 4.379	4.608 4.591 4.549 4.501 4.498 4.441 4.387 4.387 4.331	34.321 34.326 34.332 34.340 34.342 34.354 34.365 34.372 34.376 34.377	27.181 27.187 27.196 27.208 27.210 27.226 27.240 27.250 27.255 27.257	30.403 30.454 30.510 30.568 30.615 30.678 30.740 30.795 30.846 30.895	27.175 27.181 27.190 27.201 27.203 27.219 27.234 27.243 27.248 27.251	95.3 94.8 94.0 93.0 92.9 91.4 90.0 89.2 88.8 88.6	12.813 12.908 13.002 13.096 13.189 13.281 13.371 13.461 13.550 13.639	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.5	1480.2 1480.3 1480.2 1480.4 1480.3 1480.3 1480.3 1480.3	5631.6 5759.0 5887.3 6016.6 6146.8 6277.9 6409.8 6542.7 6676.4 6811.0	1.9 6.3 19.2 5.7 22.4 13.9 6.6 6.9
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.8 843.8 853.7 863.6 873.5 883.4	4.352 4.331 4.321 4.299 4.252 4.215 4.176 4.169 4.160 4.143	4.290 4.269 4.258 4.235 4.188 4.151 4.110 4.103 4.093 4.076	34.381 34.388 34.388 34.403 34.407 34.415 34.416 34.418 34.422	27.264 27.268 27.272 27.278 27.299 27.309 27.311 27.313 27.319	30.948 30.998 31.048 31.100 31.160 31.214 31.270 31.317 31.366 31.417	27.257 27.262 27.266 27.271 27.285 27.292 27.302 27.304 27.306 27.311	88.0 87.7 87.4 86.9 85.0 84.0 84.0 83.8	13.727 13.815 13.902 13.989 14.076 14.161 14.246 14.330 14.414 14.498	90.6 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1480.6 1480.7 1480.8 1480.9 1480.9 1480.9 1480.9 1481.0 1481.1	6946.5 7082.9 7220.1 7358.1 7497.0 7636.8 7777.4 7918.8 8061.0 8204.1	8.6 12.2 2.2 6.9 22.7 4.0 20.4 .2 1.9 14.5
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.6 962.5 972.4 982.3	4.095 4.056 4.021 4.018 3.980 3.910 3.901 3.863 3.811 3.770	4.027 3.987 3.951 3.948 3.909 3.839 3.829 3.791 3.739 3.697	34.438 34.439 34.439 34.446 34.453 34.453 34.453 34.459 34.469	27.328 27.337 27.345 27.346 27.354 27.367 27.369 27.377 27.391 27.400	31.473 31.529 31.583 31.629 31.685 31.745 31.792 31.847 31.908 31.964	27.321 27.330 27.338 27.338 27.347 27.360 27.361 27.370 27.383 27.393	82.5 81.6 80.9 80.1 78.9 78.8 78.0 76.8	14.580 14.662 14.743 14.824 14.905 14.984 15.063 15.142 15.219 15.295	90.5 90.6 90.5 90.5 90.5 90.5 90.5 90.5	1481.2 1481.3 1481.4 1481.4 1481.4 1481.4 1481.4 1481.4	8348.0 8492.7 8638.2 8784.4 8931.5 9079.4 9228.0 9377.4 9527.6 9678.5	6.6 9.9 1.9 -1.3 12.5 -2.1 5.2 11.9 10.2 4.3

Station	64	Latitude	32. 06.	20'N	Longitu	de 126°	55.46'W	29	Aug 1989	GMT 17	7:39	Bottom	1275 m
Pres.	Depth	Temp.	Pot.T.	Sal	Sigma-0	Sigma-z	Sigma-t	Delta	Dyn.Ht	LTR	sv	TF	N ²
db	m	*c	•c	0/00	kg/m ³	kg/m ³	kg/m ³	$10^8 m^3/kg$	J/kg	0/0	m/s	m^3/s^2	106/s2
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0	992.2 1012.0 1031.8 1051.5 1071.3 1091.1 1110.9 1130.6 1150.4	3.756 3.692 3.649 3.586 3.566 3.463 3.441 3.442	3.682 3.617 3.572 3.509 3.487 3.382 3.359 3.358	34.479 34.490 34.494 34.502 34.504 34.517 34.519 34.518	27.404 27.419 27.427 27.440 27.452 27.464 27.468 27.467	32.013 32.121 32.221 32.327 32.422 32.523 32.628 32.723 32.814	27.396 27.411 27.419 27.433 27.435 27.444 27.456 27.459 27.459	75.5 74.1 73.5 72.2 72.0 71.3 70.2 69.9 70.1	15.371 15.520 15.668 15.814 15.958 16.101 16.242 16.382 16.522	90.5 90.6 90.5 90.5 90.4 90.5 90.5	1481.5 1481.6 1481.7 1481.8 1482.1 1482.2 1482.3 1482.5 1482.9	9830.1 10135.6 10444.1 10755.3 11069.5 11386.4 11706.1 12028.6 12353.8	6.9 8.4 12.5 1.1 .5 2.9 -1.5
1180.0	1170.2	3.433	3.348	34.520	27.469	32.907	27.461	70.1	16.662	90.5	1483.2	12681.7	. 9
1200.0 1220.0 1240.0 1260.0 1280.0 1300.0 1320.0 1340.0 1360.0	1189.9 1209.7 1229.4 1249.2 1268.9 1288.7 1308.4 1328.2 1347.9 1367.7	3.382 3.343 3.263 3.263 3.246 3.238 3.159 3.111 3.007	3.295 3.255 3.213 3.172 3.154 3.065 3.015 2.910 2.903	34.524 34.528 34.531 34.535 34.536 34.543 34.543 34.554 34.554	27.478 27.484 27.491 27.497 27.500 27.502 27.515 27.522 27.537 27.538	33.009 33.107 33.207 33.305 33.399 33.492 33.598 33.698 33.808 33.900	27.470 27.476 27.483 27.489 27.492 27.493 27.506 27.513 27.529	69.3 68.7 68.1 67.5 67.4 66.1 65.4 63.7 63.8	16.802 16.940 17.077 17.213 17.348 17.482 17.617 17.748 17.878 18.006	90.5 90.4 90.5 90.4 90.4 90.5 90.5 90.5	1483.3 1483.5 1483.6 1483.8 1484.1 1484.4 1484.5 1484.7	13012.4 13345.7 13681.8 14020.5 14361.9 14705.9 15052.5 15401.7 15753.4 16107.7	3.2 3.3 7.4 -2.3 1.2 -3.7 -5.5 5.1
1400.0 1420.0 1434.0	1387.4 1407.2 1421.0	2.987 2.975 2.957	2.887 2.874 2.855	34.555 34.556 34.557	27.540 27.542 27.544	33.993 34.086 34.153	27.531 27.533 27.535	63.7 63.6 63.4	18.133 18.260 18.349	90.5 90.4 90.5	1485.0 1485.2 1485.4	16464.4 16823.6 17076.5	7.4 -4.0 .0

Station	65	Latitude	32° 01	.27'N	Longit	ude 126°	57.60'W	2	9 Aug 198	9 GMT 1	9:26	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-6 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht g J/kg	LTR 0/0	sv m/s	m ^{TF}	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.9 49.9 59.8 69.8 79.8	19.125 19.088 19.063 19.067 18.560 17.480 15.845 15.232	19.125 19.086 19.059 19.056 19.040 18.551 17.470 15.834 15.441 15.219	33.405 33.405 33.404 33.403 33.380 33.387 33.414 33.488 33.557	23.772 23.782 23.789 23.789 23.792 23.897 24.128 24.128 24.566 24.710 24.813	23.772 23.825 23.876 23.919 23.916 24.114 24.390 24.874 25.210	23.772 23.781 23.788 23.788 23.791 23.895 24.126 24.563 24.708 24.810	411.8 411.2 410.9 411.2 411.3 401.6 379.9 338.3 324.8 315.3	.000 .412 .823 1.234 1.645 2.051 2.444 2.803 3.133 3.452	90.3 90.2 90.2 90.1 90.2 90.0 89.9 89.9 90.2	1517.8 1517.9 1518.0 1518.2 1517.0 1514.0 1509.2 1509.3 1507.8	.0 2.1 8.2 18.5 32.8 51.2 73.7 99.8 129.4 162.2	15.6 3.0 32.5 18.6 426.0 318.9 128.8 72.9
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3	14.654 13.926 13.450 12.611 12.156 11.733 11.247 10.558 9.846 9.514	14.640 13.911 13.433 12.594 12.138 11.714 11.227 10.538 9.826 9.493	33.534 33.471 33.455 33.426 33.457 33.451 33.530 33.624 33.673	24.920 25.024 25.110 25.254 25.365 25.429 25.529 25.713 25.907 26.000	25.362 25.512 25.643 25.833 25.990 26.100 26.477 26.719 26.858	24.917 25.021 25.107 25.251 25.362 25.425 25.525 25.525 25.709 25.904 25.997	305.4 295.6 287.6 274.0 263.6 257.6 248.2 230.8 212.3 203.6	3.762 4.063 4.354 4.635 4.904 5.165 5.417 5.878 6.086	90.3 90.3 90.5 90.7 90.8 90.9 91.0 90.9	1506.1 1503.8 1502.4 1499.3 1497.0 1495.5 1493.3 1491.0 1490.0	198.1 237.1 279.0 323.7 371.2 421.3 474.0 529.0 586.4 645.9	76.0 100.8 132.6 100.8 73.2 42.7 71.9 126.8 109.4 53.4
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.8 248.8 258.8 268.7 278.6 288.6	9.283 9.219 8.896 8.670 8.557 8.261 8.163 7.949 7.817	9.262 9.196 8.872 8.646 8.532 8.235 8.137 7.922 7.790 7.654	33.729 33.813 33.853 33.902 33.916 33.964 33.972 33.985 33.989 33.993	26.082 26.157 26.241 26.314 26.343 26.445 26.446 26.489 26.511 26.534	26.986 27.107 27.237 27.356 27.431 27.560 27.627 27.716 27.785 27.853	26.078 26.154 26.237 26.310 26.339 26.421 26.442 26.485 26.507 26.529	196.0 189.0 181.1 174.3 171.7 163.9 162.1 158.1 156.1	6.287 6.480 6.665 6.843 7.016 7.184 7.347 7.507 7.664 7.819	90.9 91.1 91.0 91.0 91.0 91.0 91.0 91.0	1489.4 1489.4 1488.4 1487.5 1486.6 1486.6 1485.8 1485.5 1485.1	707.4 770.9 836.2 903.3 972.2 1042.7 1114.9 1188.7 1264.0 1340.9	92.3 118.1 43.7 69.7 50.6 65.8 21.0 12.5 13.0
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0	298.5 308.4 318.4 328.3 338.2 348.2 358.1 368.0 377.9 387.9	7.443 7.290 7.133 7.017 6.875 6.724 6.538 6.506 6.319 6.273	7.414 7.260 7.102 6.986 6.844 6.693 6.506 6.4286 6.239	33.995 33.998 34.008 34.026 34.022 34.034 34.040 34.046	26.570 26.590 26.615 26.639 26.667 26.693 26.715 26.729 26.758 26.768	27.937 28.004 28.075 28.146 28.220 28.292 28.362 28.421 28.498 28.554	26.566 26.586 26.635 26.663 26.688 26.711 26.724 26.754 26.764	150.6 148.7 146.4 144.2 141.7 139.3 137.1 136.0 133.2 132.3	7.971 8.120 8.268 8.413 8.556 8.697 8.835 8.971 9.106 9.239	90.9 90.9 90.8 90.8 90.9 90.7 90.7	1484.3 1483.9 1483.5 1483.2 1482.8 1482.4 1481.8 1481.9 1481.3	1419.4 1499.3 1580.6 1663.5 1747.7 1833.3 1920.4 2008.7 2098.5 2189.5	28.5 18.6 19.6 34.9 29.3 24.0 19.3 24.8 20.4
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.2 487.1	6.104 6.112 6.042 5.949 5.860 5.780 5.697 5.635 5.393	6.069 6.077 6.006 5.912 5.910 5.821 5.741 5.658 5.595 5.352	34.036 34.046 34.066 34.072 34.079 34.095 34.102 34.106 34.115 34.104	26.782 26.789 26.814 26.830 26.836 26.860 26.875 26.889 26.903 26.924	28.616 28.668 28.739 28.854 28.924 28.986 29.046 29.107 29.175	26.778 26.784 26.810 26.826 26.831 26.855 26.871 26.884 26.8899 26.919	131.0 130.5 128.2 126.7 126.3 124.1 122.7 121.5 120.2 118.1	9.370 9.501 9.630 9.757 9.884 10.009 10.132 10.255 10.375	90.6 90.5 90.6 90.6 90.6 90.6 90.6	1480.7 1481.0 1480.9 1480.8 1480.7 1480.5 1480.3 1480.3	2281.8 2375.5 2470.4 2566.6 2664.1 2762.7 2862.7 2963.8 3066.1 3169.6	4.3 18.9 15.7 18.6 12.8 7.5 2.5 4.5 28.2
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0	497.0 506.9 516.8 526.8 536.7 546.6 556.4 576.3 586.2	5.330 5.306 5.122 5.095 5.095 4.916 4.789 4.727 4.688 4.637	5.290 5.265 5.080 5.052 5.015 4.872 4.746 4.683 4.644 4.592	34.110 34.126 34.121 34.134 34.148 34.151 34.152 34.156 34.164 34.175	26.936 26.952 26.969 26.982 26.998 27.017 27.032 27.042 27.052 27.067	29.234 29.361 29.361 29.421 29.549 29.612 29.669 29.725 29.786	26.931 26.947 26.964 26.978 26.993 27.012 27.027 27.037 27.047 27.062	117.0 115.6 113.9 112.7 111.2 109.4 108.0 107.0 106.1 104.8	10.612 10.728 10.843 10.957 11.068 11.179 11.288 11.395 11.502 11.607	90.7 90.6 90.6 90.7 90.7 90.7 90.6 90.7 90.8 90.7	1479.3 1479.4 1478.8 1478.9 1478.9 1478.5 1478.2 1478.1 1478.1	3274.3 3380.1 3487.1 3595.2 3704.4 3814.7 3926.1 4038.5 4152.0 4266.5	12.7 17.4 10.3 31.4 31.1 10.0 10.8 8.8 14.6 14.9
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0 690.0	596.2 606.1 616.0 625.9 635.8 645.7 655.6 675.4 685.3	4.765 4.686 4.587 4.5667 4.572 4.486 4.595 4.691	4.718 4.639 4.539 4.520 4.518 4.522 4.436 4.543 4.642 4.637	34.216 34.229 34.224 34.223 34.233 34.256 34.252 34.281 34.308 34.318	27.086 27.104 27.112 27.114 27.122 27.139 27.145 27.167 27.167 27.176	29.849 29.915 29.970 30.017 30.134 30.187 30.242 30.297 30.351	27.081 27.099 27.107 27.108 27.116 27.134 27.140 27.151 27.161 27.170	103.3 101.5 100.8 100.7 100.1 98.5 97.9 97.2 96.4 95.7	11.711 11.813 11.915 12.016 12.116 12.215 12.313 12.411 12.507 12.604	90.8 90.7 90.7 90.7 90.7 90.7 90.7 90.7	1478.8 1478.7 1478.4 1478.5 1478.7 1478.9 1478.7 1479.3 1479.9	4382.1 4498.7 4616.3 4734.9 4854.4 4975.0 5096.5 5219.0 5342.4 5466.8	28.5 26.1 13.8 9.4 20.0 13.5 5.0 4.5 11.2 6.3
700.0 710.0 720.0 730.0 740.0 750.0 760.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5 784.4	4.676 4.603 4.577 4.543 4.497 4.465 4.438 4.401 4.386 4.340	4.621 4.548 4.521 4.486 4.439 4.407 4.380 4.341 4.326 4.279	34.325 34.338 34.344 34.346 34.352 34.360 34.364 34.370 34.373 34.381	27.183 27.202 27.209 27.214 27.224 27.234 27.240 27.249 27.253 27.264	30.404 30.470 30.524 30.575 30.631 30.688 30.740 30.795 30.844 30.903	27.177 27.196 27.203 27.208 27.218 27.228 27.224 27.243 27.243 27.246 27.258	95.2 93.4 92.3 91.4 90.5 90.0 88.9 87.9	12.699 12.793 12.887 12.979 13.071 13.162 13.252 13.342 13.431	90.7 90.8 90.7 90.7 90.7 90.7 90.7 90.7 90.8 90.7	1480.2 1480.1 1480.2 1480.2 1480.2 1480.2 1480.3 1480.3 1480.4	5592.2 5718.4 5845.6 5973.7 6102.7 6232.7 6363.4 6495.1 6627.7 6761.1	16.5 17.1 10.1 6.9 5.1 4.5 4.5 12.7 11.6
800.0 810.0 820.0 830.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.323 4.281 4.201 4.226 4.203 4.187 4.160 4.115 4.081 4.046	4.261 4.220 4.138 4.163 4.140 4.123 4.095 4.049 4.015 3.979	34.388 34.392 34.387 34.397 34.400 34.406 34.413 34.424 34.431 34.431	27.272 27.280 27.284 27.290 27.294 27.301 27.309 27.322 27.332	30.956 31.011 31.063 31.113 31.164 31.216 31.271 31.331 31.387 31.440	27.265 27.273 27.278 27.288 27.288 27.294 27.303 27.316 27.325 27.325	87.2 86.5 86.0 85.6 85.3 84.8 84.7 81.9	13.606 13.693 13.780 13.865 13.951 14.036 14.120 14.203 14.286 14.367	90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7	1480.5 1480.5 1480.3 1480.6 1480.6 1480.8 1480.8 1480.8 1480.8	6895.4 7030.5 7166.5 7303.4 7441.1 7579.6 7718.9 7859.1 8000.1 8141.9	5.4 13.0 2.5 12.7 5.4 7.5 14.8 8.4 12.2 2.8
900.0 910.0 920.0 930.0 940.0 950.0 960.0 960.0 990.0	893.3 903.2 913.1 923.0 932.8 942.7 952.6 962.5 972.4 982.3	4.024 3.992 3.973 3.926 3.912 3.904 3.891 3.885 3.849 3.826	3.957 3.924 3.904 3.857 3.842 3.833 3.820 3.813 3.776 3.752	34.439 34.444 34.457 34.459 34.460 34.468 34.473 34.474 34.474	27.345 27.352 27.356 27.369 27.372 27.374 27.382 27.387 27.391 27.399	31.492 31.545 31.596 31.655 31.751 31.805 31.856 31.907 31.962	27.338 27.345 27.349 27.362 27.365 27.366 27.374 27.379 27.384 27.392	80.8 80.1 79.7 78.6 78.4 78.3 77.6 77.2 76.8 76.0	14.448 14.529 14.609 14.688 14.766 14.845 14.923 15.000 15.077 15.154	90.7 90.8 90.7 90.7 90.7 90.7 90.7 90.7	1480.9 1481.0 1481.1 1481.0 1481.2 1481.3 1481.4 1481.6 1481.6	8284.4 8427.8 8572.0 8716.9 8862.6 9009.1 9156.3 9304.3 9453.1 9602.6	5.7 8.4 14.8 1.6 5.8 3.1 9.0 5.5 6.1

Station	65	Latitude	32. 01.	27'N	Longitu	ide 126°	57.60'W	20	Aug 1989	GMT 1	9:26	Bottom	2950 m
Pres.	Depth	Temp.	Pot.T.	Sal	Sigma-0	Sigma-z	Sigma-t	Delta	Dyn.Ht	LTR	sv	TF	N ²
db 1000.0	m 992.2	°C 3.774	°C 3.700	0/00 34.479	kg/m ³ 27.403	kg/m ³ 32.011	kg/m ³ 27.395			0/0 90.7	m/s 1481.6	m ³ /s ² 9752.9	10 ⁶ /s ²
1020.0 1040.0	1012.0 1031.8	3.701 3.663	3.625 3.586	34.481 34.482	27.411 27.416	32.113 32.210	27.404 27.409	75.7 74.9 74.5	15.229 15.380 15.530	90.8 90.7	1481.6 1481.8	10055.6 10361.3	6.4
1060.0	1051.5 1071.3	3.631 3.605	3.553 3.526	34.490 34.498	27.426 27.435	32.312 32.412	27.418 27.427	73.7	15.678 15.824	90.7	1482.0 1482.2	10669.9	1.4
1100.0 1120.0	1091.1 1110.8	3.587 3.557	3.506 3.475	34.505 34.508	27.442 27.448	32.511	27.434 27.440	72.4 71.9	15.970 16.114	90.7	1482.5 1482.7	11295.6 11612.8	5.0
1140.0 1160.0	1130.6 1150.4	3.511 3.471	3.427 3.386	34.516 34.521	27.459 27.467	32.713 32.813	27.451 27.458	70.9	16.257 16.398	90.7	1482.8 1483.0	11932.7 12255.5	4.4
1180.0	1170.2	3.432	3.346	34.525	27.474	32.912	27.465	69.7	16.538	90.7	1483.2	12581.0	5.3
1200.0 1220.0	1189.9 1209.7	3.400 3.371	3.313 3.282	34.527 34.529	27.479 27.483	33.009 33.105	27.470 27.475	69.3 68.9	16.677 16.815	90.6 90.7	1483.4 1483.6	12909.2 13240.1	2.1 5.9
1240.0 1260.0	1229.4 1249.2	3.309 3.280	3.220 3.188	34.535 34.538	27.493 27.499	33.208 33.306	27.485 27.490	67.9 67.5	16.952 17.087	90.7	1483.7 1483.9	13573.7 13909.9	4.4
1280.0 1300.0	1268.9 1288.7	3.231 3.174	3.138 3.081	34.542 34.546	27.506 27.516	33.405 33.508	27.498 27.507	66.8 65.9	17.222 17.355	90.7 90.6	1484.0 1484.1	14248.8 14590.3	4.2
1320.0 1340.0	1308.4 1328.2	3.131 3.086	3.036	34.550 34.552	27.522 27.529	33.607 33.705	27.514 27.520	65.3 64.7	17.486	90.7	1484.2 1484.4	14934.3 15280.9	4.5 5.9
1360.0 1380.0	1347.9 1367.7	3.048 2.991	2.951 2.893	34.555 34.559	27.534 27.543	33.803 33.905	27.525 27.534	64.2	17.616 17.745 17.872	90.7	1484.6 1484.7	15630.1 15981.7	3.3 5.7
1400.0 1420.0	1387.4 1407.2	2.952 2.921	2.852	34.562	27.549	34.003	27.540	62.8	17.998	90.6	1484.8	16335.8	-1.4
1440.0 1460.0	1426.9	2.881 2.852	2.821 2.779 2.749	34.564 34.567 34.570	27.553 27.560	34.099 34.198	27.544 27.551	62.4	18.124 18.248	90.7 90.6	1485.0 1485.2	16692.3 17051.3	4.2 3.4
1480.0 1500.0	1466.4	2.814	2.710	34.573	27.565 27.570	34.295 34.393	27.555 27.561	61.4 60.8	18.371 18.493	90.7	1485.4 1485.6	17412.6 17776.4	:7
1520.0 1540.0	1486.1 1505.8	2.762 2.735	2.657	34.577 34.578	27.578 27.581	34.493 34.588	27.569 27.572	60.1 59.7	18.614 18.734	90.6	1485.7 1485.9	18142.5 18510.9	6.3 2.2
1560.0 1580.0	1525.6 1545.3 1565.0	2.702 2.681 2.654	2.594 2.572 2.543	34.581 34.583 34.584	27.587 27.590 27.594	34.685 34.780	27.577 27.581	59.3 59.0	18.853 18.971	90.6	1486.1 1486.3	18881.7 19254.8	4.9
1600.0	1584.7	2.640	2.528	34.586	27.594	34.876 34.970	27.584 27.587	58.6 58.5	19.089 19.206	90.6	1486.6 1486.8	19630.1 20007.8	2.6 1.7
1620.0 1640.0	1604.5 1624.2	2.610 2.579	2.497	34.589 34.591	27.601 27.606	35.067 35.163	27.592 27.596	58.0 57.6	19.322 19.438	90.7	1487.0	20387.7	3.2
1660.0 1680.0	1643.9 1663.6	2.549 2.514	2.433	34.594 34.595	27.611 27.615	35.259 35.355	27.601 27.605	57.2 56.8	19.553 19.667	90.6	1487.5 1487.6	21154.2 21540.8	1.4
1700.0 1720.0	1683.3 1703.0	2.484 2.456	2.366	34.597	27.619 27.625	35.452 35.549	27.610 27.615	56.3 55.8	19.780 19.892	90.7	1487.8 1488.1	21929.6 22320.6	1.5
1740.0 1760.0	1722.8 1742.4	2.434 2.415	2.313	34.602	27.627 27.631	35.643 35.738	27.617 27.621	55.6 55.3	20.003 20.114	90.6	1488.3	22713.8 23109.1	1.5
1780.0 1800.0	1762.2 1781.9	2.399	2.275	34.606	27.634	35.832	27.624	55.0	20.225	90.6	1488.8	23506.6	3.6
1820.0 1840.0	1801.6 1821.3	2.364	2.239	34.609 34.611	27.639 27.643	35.929 36.025	27.628 27.633	54.6 54.2	20.334	90.6	1489.0 1489.2	23906.2 24307.9	2 .1
1860.0 1880.0	1841.0	2.322 2.299 2.275	2.194	34.613 34.616	27.646 27.650	36.119 36.214	27.636 27.639	53.9 53.6	20.551	90.6 90.6	1489.5 1489.7	24711.7 25117.5	1.3
1900.0	1860.7 1880.4	2.257	2.144	34.617 34.619	27.653 27.657	36.309 36.403	27.643 27.646	53.3 53.0	20.765 20.872	90.6 90.6	1490.0 1490.2	25525.5 25935.5	3.3 5.7
1920.0 1940.0 1960.0	1900.1 1919.7	2.240 2.215	2.107	34.620 34.623	27.659 27.663	36.496 36.592	27.648 27.652	52.8 52.4	20.978 21.083	90.6	1490.5 1490.7	26347.6 26761.7	1.9
1980.0	1939.4 1959.1	2.190	2.053	34.625 34.627	27.667 27.670	36.688 36.782	27.656 27.660	52.0 51.6	21.187 21.291	90.6 90.6	1491.0 1491.2	27177.8 27595.9	4.0 2.2
2000.0 2050.0	1978.8 2028.0	2.137	1.998 1.928	34.629 34.633	27.674 27.683	36.878 37.115	27.663 27.672	51.2 50.3	21.394	90.6	1491.4 1492.0	28016.0 29075.0	2.5 -1.5
2100.0 2150.0	2077.2 2126.4	2.035 1.992	1.889 1.843	34.637 34.641	27.689 27.696	37.348 37.582	27.678 27.684	49.8	21.648 21.899 22.146	90.6	1492.6	30146.1	4.4
2200.0 2250.0	2175.5 2224.7	1.965 1.934	1.811	34.643 34.646	27.700	37.812 38.043	27.688 27.693	48.9 48.5	22.392 22.635	90.7 90.6	1494.0 1494.7	32324.1 33430.8	.6 1.6
2300.0 2350.0	2273.9 2323.0	1.895 1.875	1.734	34.648 34.649	27.706 27.710 27.713	38.274 38.502	27.698 27.700	48.0 47.9	22.876 23.116	90.5	1495.4 1496.2	34549.2 35679.1	4.2
2400.0 2450.0	2372.1 2421.2	1.845	1.676	34.651 34.653	27.717 27.721	38.732 38.961	27.704 27.708	47.6 47.3	23.354	90.6	1496.9 1497.6	36820.5 37973.3	1.4
2500.0 2550.0	2470.3 2519.4	1.799	1.622	34.655	27.724	39.189	27.711	47.0	23.827	90.5	1498.4	39137.5	.0
2600.0 2650.0	2568.5	1.786 1.745	1.605	34.656 34.659	27.727 27.732	39.415 39.646	27.713 27.719 27.721	46.9	24.062 24.296	90.5	1499.2 1499.8	40312.9	.6 3.9
2700.0 2750.0	2617.6 2666.6	1.726	1.537	34.661 34.662	27.735 27.738	39.873 40.100	27.724	46.2	24.527 24.757	90.5 90.5	1500.6 1501.3	42697.4 43906.3	1.3
2800.0 2850.0	2715.6 2764.7	1.687	1.489	34.664	27.742 27.744	40.327 40.552	27.727 27.729	45.7 45.6	24.986 25.214	90.5 90.6	1502.1 1502.9	45126.1 46356.8	-1.8
2900.0 2950.0	2813.7 2862.7 2911.7	1.645 1.612 1.605	1.439 1.401 1.390	34.668 34.670	27.748 27.753	40.780	27.733	45.2 44.7	25.441 25.666	90.5	1503.6 1504.3	47598.4 48850.9	2.4
3000.0	2960.7	1.581	1.362	34.672 34.674	27.755 27.758	41.233	27.739 27.742	44.7	25.890 26.113	90.5 90.6	1505.2 1505.9	50113.9 51387.7	5 -1.0
3014.0	2974.4	1.579	1.359	34.674	27.758	41.521	27.742	44.4	26.175	90.5	1506.1	51746.3	0

Station	66	Latitude	31. 49.	62'N	Longit	ude 127°	04.48'W	29	Aug 198	GMT 2	2:28	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht g J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.9 49.9 59.8 69.8 79.8	19.448 19.401 19.293 19.285 19.278 18.702 18.470 16.095 13.884 13.036	19.448 19.399 19.290 19.270 18.694 18.460 16.084 13.873 13.024	33.478 33.475 33.475 33.473 33.478 33.478 33.221 33.221	23.745 23.758 23.784 23.787 23.869 23.995 24.416 24.840 25.014	23.745 23.801 23.870 23.916 23.961 24.087 24.256 24.724 25.194 25.415	23.745 23.757 23.783 23.784 23.785 23.867 23.992 24.414 24.837 25.012	414.3 413.5 411.4 411.6 411.8 404.3 392.7 352.6 312.3 295.8	.000 .414 .826 1.238 1.650 2.058 2.458 2.832 3.164 3.469	90.2 90.2 90.2 90.1 90.0 90.1 89.8 89.8	1518.8 1518.8 1518.7 1518.8 1519.0 1517.4 1517.0 1509.9 1502.9 1500.2	.0 2.1 8.3 18.5 32.9 51.4 74.0 100.3 130.2 163.3	59.6 1.7 1.0 2.5 307.0 495.2 280.8 244.9
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3	12.368 11.919 11.510 11.056 10.718 10.547 10.160 9.606 9.293 8.986	12.355 11.905 11.495 11.040 10.702 10.529 10.142 9.588 9.273 8.966	33.244 33.280 33.327 33.439 33.4471 33.562 33.661 33.730 33.804	25.158 25.271 25.384 25.613 25.668 25.806 25.976 26.081 26.187	25.605 25.763 25.922 26.088 26.243 26.526 26.526 26.743 26.895 27.047	25.156 25.269 25.382 25.502 25.661 25.665 25.802 25.972 26.077 26.184	282.2 271.6 261.1 249.8 239.6 231.6 221.6 205.5 195.7	3.757 4.033 4.300 4.555 4.800 5.037 5.263 5.477 5.678 5.869	90.2 90.4 90.7 90.9 90.9 91.0 91.0 91.0	1498.2 1496.8 1495.6 1494.2 1493.3 1492.8 1491.7 1490.0 1489.1 1488.2	199.2 238.0 279.5 323.6 370.1 419.0 470.3 523.7 579.2 636.6	141.7 49.1 110.5 53.4 92.8 108.6 43.0 195.1 153.8 106.0
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 228.9 238.8 258.8 258.8 268.7 278.6 288.5	8.777 8.683 8.475 8.267 8.192 8.119 7.889 7.782 7.715 7.592	8.756 8.661 8.452 8.244 8.168 8.094 7.864 7.755 7.688 7.564	33.856 33.877 33.925 33.964 33.972 33.982 33.994 33.999 34.006 34.016	26.261 26.292 26.362 26.424 26.440 26.504 26.524 26.540 26.565	27.167 27.244 27.360 27.469 27.532 27.596 27.686 27.752 27.814 27.885	26.258 26.288 26.358 26.421 26.456 26.500 26.520 26.535 26.561	178.8 176.0 169.5 163.6 162.1 160.5 156.4 154.7 153.3 151.0	6.052 6.230 6.402 6.569 6.732 6.894 7.052 7.207 7.361 7.514	90.9 90.8 90.8 90.8 90.6 90.5 90.4 90.2 89.8	1487.6 1487.5 1486.9 1486.2 1486.1 1485.4 1485.2 1485.1 1484.8	695.8 756.8 819.6 884.1 950.2 1017.8 1087.1 1157.9 1230.3 1304.2	105.4 30.7 34.8 43.5 16.0 21.0 21.0 21.5 20.6 5.7
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.3 328.3 338.2 348.1 358.1 368.0 377.9 387.8	7.443 7.344 7.260 7.159 7.093 6.947 6.836 6.366 6.366	7.414 7.314 7.230 7.128 7.061 6.915 6.803 6.862 6.333 6.215	34.019 34.020 34.021 34.027 34.034 34.034 34.033 34.018 34.018	26.589 26.604 26.616 26.635 26.646 26.670 26.734 26.734 26.745	27.955 28.017 28.075 28.140 28.197 28.267 28.330 28.400 28.474 28.531	26.584 26.600 26.612 26.631 26.645 26.665 26.682 26.704 26.730 26.740	148.8 147.5 146.4 144.7 143.8 141.6 140.1 138.0 135.5 134.5	7.663 7.812 7.959 8.105 8.249 8.392 8.533 8.672 8.809 8.944	89.4 89.0 88.5 88.0 87.5 87.0 86.7 86.4 86.2	1484.4 1484.2 1484.0 1483.8 1483.7 1483.3 1483.0 1482.2 1481.4 1481.1	1379.5 1456.4 1534.7 1614.5 1695.6 1778.3 1862.3 1947.7 2034.4 2122.5	15.9 25.0 15.9 15.9 15.5 12.6 16.4 19.5
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.6 427.5 437.5 447.4 457.3 467.2 477.1	6.165 6.055 5.915 5.819 5.668 5.616 5.535 5.435 5.435 5.260	6.130 6.019 5.879 5.783 5.631 5.579 5.497 5.396 5.290 5.220	34.014 34.024 34.032 34.030 34.033 34.038 34.046 34.053 34.061	26.757 26.774 26.797 26.815 26.832 26.840 26.855 26.873 26.891 26.905	28.590 28.653 28.724 28.788 28.853 28.907 28.968 29.033 29.098 29.159	26.753 26.770 26.793 26.810 26.828 26.836 26.850 26.868 26.886 26.8901	133.4 131.9 129.7 128.0 126.4 125.7 124.4 122.7 121.0 119.6	9.078 9.210 9.341 9.470 9.597 9.724 9.849 9.972 10.094 10.214	86.1 86.2 86.4 86.6 86.8 87.1 87.4 87.7	1481.0 1480.7 1480.3 1480.1 1479.6 1479.6 1479.2 1478.9 1478.9	2212.0 2302.7 2394.8 2488.1 2582.7 2678.6 2775.7 2874.0 2973.5 3074.2	14.8 26.5 14.8 28.8 12.7 8.6 13.3 19.7 8.0
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0	497.0 506.9 516.8 526.7 536.7 546.6 556.4 576.3 586.2	5.199 5.111 5.050 4.939 4.884 4.830 4.839 4.763 4.713 4.729	5.159 5.070 5.009 4.897 4.841 4.786 4.796 4.719 4.668 4.683	34.067 34.078 34.088 34.108 34.124 34.136 34.162 34.166 34.167 34.176	26.917 26.936 26.951 26.980 26.999 27.014 27.034 27.046 27.053 27.058	29.218 29.283 29.345 29.420 29.486 29.548 29.614 29.672 29.725 29.776	26.913 26.931 26.947 26.975 26.994 27.010 27.029 27.041 27.048 27.053	118.5 116.8 115.4 112.7 111.0 109.5 107.8 106.7 106.1 105.7	10.333 10.451 10.567 10.681 10.793 11.012 11.119 11.225 11.331	88.3 88.7 89.0 89.4 90.6 90.6 90.7 90.7	1478.7 1478.6 1478.5 1478.2 1478.2 1478.1 1478.4 1478.2 1478.2	3176.1 3279.2 3383.4 3488.8 3595.3 3702.8 3811.5 3921.2 4031.9 4143.8	12.0 11.5 23.7 18.2 12.9 12.9 16.4 9.7 3
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.1 606.0 616.0 625.9 635.8 645.7 655.5 675.4 685.3	4.648 4.654 4.619 4.712 4.743 4.685 4.541 4.482 4.442 4.424	4.602 4.607 4.571 4.663 4.693 4.634 4.490 4.430 4.390 4.371	34.187 34.200 34.202 34.227 34.246 34.247 34.244 34.247 34.257 34.265	27.075 27.085 27.091 27.101 27.113 27.120 27.133 27.142 27.154 27.163	29.840 29.896 29.948 30.002 30.059 30.112 30.174 30.230 30.289 30.343	27.070 27.080 27.086 27.096 27.107 27.114 27.127 27.136 27.149 27.157	104.1 103.3 102.8 102.1 101.2 100.6 99.2 98.3 97.2 96.5	11.436 11.540 11.643 11.746 11.847 11.948 12.048 12.147 12.244	90.8 90.8 90.7 90.7 90.7 90.7 90.7 90.7 90.7	1478.3 1478.5 1478.5 1479.1 1479.4 1479.3 1478.9 1478.8 1478.8	4256.6 4370.5 4485.4 4601.3 4718.2 4836.1 4955.0 5074.9 5195.7 5317.5	16.7 6.2 12.0 13.2 10.0 8.0 15.0 7.7 8.0 2.4
700.0 710.0 720.0 730.0 740.0 750.0 760.0 780.0 780.0	695.2 705.1 715.0 725.0 734.8 744.8 754.7 764.6 774.5	4.393 4.369 4.364 4.355 4.330 4.387 4.384 4.319 4.289 4.275	4.340 4.315 4.310 4.299 4.274 4.329 4.326 4.261 4.229 4.215	34.270 34.281 34.286 34.300 34.308 34.324 34.338 34.338 34.338	27.170 27.181 27.186 27.198 27.207 27.214 27.225 27.232 27.243 27.251	30.397 30.454 30.505 30.562 30.618 30.669 30.726 30.780 30.837 30.891	27.164 27.175 27.180 27.192 27.201 27.208 27.219 27.226 27.237 27.245	95.9 94.9 94.5 93.5 92.7 92.3 90.6 89.6 88.9	12.437 12.533 12.627 12.721 12.814 12.907 12.999 13.090 13.180 13.269	90.7 90.7 90.6 90.8 90.7 90.7 90.7 90.7	1479.0 1479.0 1479.2 1479.3 1479.4 1479.8 1480.0 1479.9 1479.9	5440.2 5563.9 5688.5 5814.1 5940.5 6067.9 6196.2 6325.4 6455.4 6586.4	7.1 13.8 8.9 10.9 7.4 2.2 10.4 4.8 14.5
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 890.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.288 4.203 4.153 4.232 4.145 4.162 4.091 4.078 4.038 4.028	4.227 4.142 4.091 4.169 4.082 4.098 4.026 4.013 3.972 3.961	34.364 34.366 34.367 34.393 34.391 34.399 34.400 34.406 34.410 34.417	27.257 27.267 27.273 27.285 27.294 27.298 27.307 27.312 27.319 27.326	30.942 31.000 31.052 31.108 31.164 31.214 31.270 31.321 31.375 31.428	27.251 27.261 27.267 27.279 27.287 27.291 27.300 27.305 27.313 27.319	88.5 87.0 86.1 85.3 85.1 83.0 84.6 83.0	13.358 13.446 13.533 13.619 13.705 13.790 13.875 13.958 14.042 14.125	90.7 90.8 90.7 90.8 90.8 90.7 90.7 90.7	1480.3 1480.1 1480.6 1480.4 1480.6 1480.5 1480.6 1480.6 1480.6	6718.2 6850.9 6984.5 7118.9 7254.1 7390.2 7527.1 7664.9 7803.4 7942.8	9.8 6.0 6.0 19.5 .4 7.2 13.0 5.1
900.0 910.0 920.0 930.0 930.0 950.0 960.0 970.0 980.0	893.3 903.2 913.0 923.0 932.8 942.7 952.6 962.5 972.4 982.3	4.014 4.019 4.009 3.997 3.971 3.963 3.931 3.880 3.835 3.835	3.947 3.951 3.940 3.927 3.900 3.892 3.859 3.808 3.762 3.732	34.423 34.434 34.442 34.446 34.447 34.454 34.457 34.462 34.465	27.333 27.341 27.348 27.353 27.357 27.358 27.366 27.374 27.383 27.388	31.480 31.533 31.587 31.638 31.687 31.735 31.789 31.844 31.899 31.951	27.326 27.334 27.341 27.346 27.350 27.351 27.359 27.367 27.376 27.376	81.9 81.2 80.6 80.2 79.9 79.8 79.1 78.3 77.5	14.207 14.288 14.369 14.449 14.530 14.609 14.689 14.767 14.845 14.923	90.7 90.7 90.6 90.7 90.7 90.7 90.7 90.7	1480.9 1481.1 1481.2 1481.3 1481.4 1481.5 1481.6 1481.5 1481.5	8083.0 8224.0 8365.8 8508.3 8651.7 8795.9 8940.8 9086.5 9232.9 9380.2	11.3 3.1 8.4 2.8 2.2 7.5 3.7 9.6 10.2 2.8

Station	66	Latitude	31° 49.	62'N	Longit	ude 127°	04.48'W	29	Aug 1989	GMT 22	:28	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kç	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0	992.2 1012.0 1031.8 1051.5 1071.3 1091.1 1110.8 1130.6 1150.4 1170.2	3.790 3.782 3.727 3.653 3.605 3.547 3.497 3.456 3.451 3.409	3.716 3.706 3.650 3.575 3.526 3.467 3.374 3.366 3.324	34.466 34.478 34.483 34.487 34.488 34.503 34.510 34.516 34.524	27.391 27.401 27.410 27.421 27.427 27.438 27.449 27.459 27.464 27.475	31.999 32.100 32.203 32.306 32.405 32.509 32.612 32.714 32.811 32.914	27.383 27.393 27.403 27.413 27.419 27.431 27.441 27.451 27.456 27.466	76.8 76.1 75.2 74.2 73.7 72.6 71.6 70.8 70.4 69.5	15.000 15.152 15.304 15.453 15.601 15.747 15.891 16.034 16.175 16.315	90.7 90.6 90.7 90.7 90.7 90.7 90.7 90.7	1481.6 1482.0 1482.1 1482.1 1482.2 1482.3 1482.4 1482.6 1482.9 1483.1	9528.2 9826.4 10127.6 10431.7 10738.7 11361.4 11677.0 11995.3 12316.4	8.1 8.1 1.7 6 4.3 5.5 1.1 .3 3.8 7.6
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0 1380.0	1189.9 1209.7 1229.4 1249.2 1268.9 1288.7 1308.4 1328.2 1347.9 1367.7	3.368 3.346 3.287 3.261 3.176 3.124 3.086 3.042 3.003	3.281 3.258 3.198 3.170 3.124 3.083 3.030 2.990 2.945 2.905	34.530 34.536 34.536 34.544 34.546 34.551 34.553 34.557 34.559	27.483 27.487 27.497 27.501 27.509 27.515 27.524 27.529 27.536 27.542	33.015 33.110 33.212 33.309 33.409 33.507 33.609 33.706 33.806 33.903	27.475 27.479 27.488 27.493 27.501 27.507 27.515 27.520 27.528 27.533	68.7 68.5 67.6 67.2 66.4 65.9 65.1 64.7 64.0	16.454 16.591 16.727 16.862 16.995 17.128 17.259 17.389 17.517 17.645	90.7 90.5 90.7 90.7 90.6 90.7 90.6 90.6	1483.2 1483.5 1483.6 1483.8 1483.9 1484.1 1484.2 1484.2 1484.5 1484.7	12640.2 12966.7 13295.8 13627.6 13962.0 14299.0 14638.6 14980.7 15325.4 15672.5	5.6 -1.7 11.5 8.0 4.5 5.3 6.6 2.2
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.4 1407.2 1426.9 1446.6 1466.4 1486.1 1505.8 1525.6 1545.3 1565.0	2.963 2.926 2.881 2.845 2.779 2.743 2.723 2.696 2.673	2.864 2.825 2.780 2.742 2.708 2.637 2.637 2.615 2.587 2.562	34.561 34.568 34.568 34.570 34.573 34.578 34.578 34.580 34.583	27.547 27.554 27.560 27.565 27.571 27.575 27.581 27.584 27.589 27.592	34.001 34.099 34.199 34.296 34.393 34.587 34.587 34.582 34.778 34.874	27.538 27.545 27.551 27.556 27.566 27.566 27.571 27.575 27.579 27.583	63.0 62.4 61.7 61.2 60.3 59.6 59.2 58.9	17.771 17.896 18.021 18.143 18.266 18.387 18.507 18.627 18.745 18.863	90.6 90.7 90.8 90.7 90.7 90.6 90.6 90.6	1484.9 1485.0 1485.2 1485.4 1485.6 1485.9 1486.2 1486.4 1486.6	16022.1 16374.2 16728.6 17085.5 17444.8 17806.4 18170.4 18536.7 18905.3 19276.2	1.3 6.6 3.1 1.0 2.2 4.6 -1.0 1.1 2.8
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.7 1604.5 1624.2 1643.9 1663.6 1683.3 1703.0 1722.8 1742.5 1762.2	2.630 2.612 2.583 2.549 2.515 2.489 2.468 2.424 2.425 2.372	2.518 2.499 2.468 2.433 2.398 2.370 2.348 2.303 2.292 2.248	34.588 34.589 34.592 34.594 34.597 34.500 34.600 34.605 34.608	27.599 27.601 27.606 27.611 27.627 27.623 27.629 27.631 27.638	34.973 35.067 35.163 35.260 35.357 35.453 35.547 35.646 35.738 35.837	27.590 27.592 27.596 27.601 27.607 27.611 27.613 27.619 27.621 27.627	58.2 58.0 57.6 57.1 56.6 56.2 55.3 55.3	18.980 19.097 19.212 19.327 19.441 19.554 19.666 19.777 19.888 19.998	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1486.8 1487.1 1487.3 1487.5 1487.6 1487.9 1488.1 1488.3 1488.6 1488.7	19649.4 20024.9 20402.6 20782.5 21164.7 21549.1 21935.6 22324.3 22715.2 23108.2	3.7 2.0 2.0 3.8 3.8 1.5 1.2
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1919.8 1939.4 1959.1	2.362 2.340 2.328 2.293 2.263 2.229 2.204 2.192 2.175 2.158	2.237 2.213 2.200 2.163 2.133 2.097 2.071 2.057 2.039 2.020	34.610 34.611 34.612 34.614 34.615 34.615 34.618 34.618 34.620 34.622	27.640 27.643 27.645 27.652 27.656 27.660 27.661 27.664 27.667	35.930 36.025 36.117 36.213 36.308 36.404 36.500 36.591 36.686 36.779	27.629 27.633 27.634 27.639 27.642 27.645 27.649 27.650 27.653 27.656	54.5 54.1 53.6 53.3 52.9 52.5 52.1 51.9	20.107 20.216 20.324 20.431 20.538 20.644 20.750 20.855 20.959 21.063	90.6 90.7 90.6 90.7 90.7 90.7 90.5 90.6	1489.0 1489.2 1489.5 1489.7 1489.9 1490.1 1490.6 1490.9 1491.1	23503.3 23900.5 24299.8 24701.2 25104.7 25510.2 25917.8 26327.4 26739.1 27152.7	2.4 5.1 3.0 .4 3.3 3.4 4.6
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2350.0 2350.0 2450.0	1978.8 2028.0 2077.2 2126.4 2175.6 2224.7 2273.9 2323.0 2372.1 2421.2	2.135 2.086 2.052 2.007 1.982 1.952 1.917 1.881 1.855	1.997 1.944 1.906 1.857 1.828 1.794 1.756 1.716 1.686 1.659	34.624 34.628 34.631 34.636 34.641 34.645 34.648 34.648 34.650 34.651	27.670 27.678 27.684 27.691 27.700 27.706 27.712 27.715 27.719	36.874 37.109 37.341 37.576 37.806 38.037 38.269 38.500 38.730 38.958	27.660 27.667 27.672 27.680 27.683 27.688 27.694 27.699 27.702 27.706	51.6 50.9 50.4 49.7 49.4 49.1 48.5 48.5 48.5	21.167 21.423 21.676 21.927 22.175 22.421 22.665 22.906 23.146 23.385	90.5 90.6 90.6 90.5 90.6 90.6 90.6 90.6	1491.4 1492.0 1492.7 1493.4 1494.1 1494.8 1495.5 1496.9 1497.7	27568.4 28616.2 29676.4 30748.6 31832.9 32929.0 34037.0 35156.6 3287.7 37430.4	4 .57 3 2.1 1.0 1.6
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2900.0	2470.3 2519.4 2568.5 2617.6 2666.6 2715.7 2764.7 2813.7 2862.8 2911.8	1.806 1.777 1.750 1.722 1.704 1.688 1.666 1.653 1.640	1.629 1.596 1.565 1.533 1.510 1.491 1.464 1.429 1.407	34.654 34.657 34.658 34.661 34.662 34.667 34.667 34.667 34.669	27.723 27.727 27.731 27.735 27.739 27.741 27.745 27.747 27.749 27.752	39.187 39.417 39.645 39.873 40.100 40.326 40.554 40.779 41.003 41.229	27.710 27.714 27.718 27.721 27.724 27.726 27.730 27.732 27.732 27.734	47.2 46.8 46.5 46.1 45.9 45.8 45.3 45.2	23.622 23.857 24.090 24.321 24.551 24.780 25.008 25.235 25.462 25.687	90.6 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1498.4 1499.1 1499.8 1500.6 1501.3 1502.1 1502.9 1503.7 1504.5 1505.2	38584.4 39749.8 40926.4 42114.1 43312.8 44522.6 45743.3 46974.8 48217.2 49470.3	1.8 2.1 2 8 2.0 1.7 9
3000.0 3050.0 3100.0 3150.0 3200.0 3250.0 3300.0 3400.0 3450.0	2960.7 3009.7 3058.7 3107.6 3156.6 3205.5 3254.4 3303.4 3352.3 3401.1	1.608 1.596 1.586 1.575 1.565 1.557 1.552 1.545 1.538	1.389 1.372 1.357 1.341 1.327 1.314 1.305 1.293 1.281 1.271	34.672 34.673 34.674 34.676 34.676 34.678 34.679 34.680 34.681 34.682	27.755 27.757 27.759 27.761 27.763 27.765 27.766 27.768 27.770 27.771	41.453 41.677 41.901 42.125 42.347 42.570 42.791 43.013 43.235 43.455	27.739 27.740 27.743 27.745 27.746 27.747 27.749 27.750 27.751 27.752	44.8 44.7 44.6 44.6 44.5 44.5 44.5	25.912 26.136 26.360 26.583 26.806 27.028 27.028 27.251 27.473 27.695 27.917	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1506.0 1506.8 1507.6 1508.4 1509.2 1510.1 1510.9 1511.7 1512.5 1513.4	50734.2 52008.8 53294.1 54590.1 55896.7 57213.8 58541.6 59879.9 61228.8 62588.3	7 -1.5 1.8 6 5 3.1 7 -1.2
3500.0 3550.0 3600.0 3650.0 3700.0 3750.0 3800.0 3850.0 3950.0	3450.0 3498.9 3547.8 3596.6 3645.4 3694.3 3743.1 3791.9 3840.7 3889.4	1.526 1.517 1.509 1.506 1.502 1.500 1.500 1.500 1.501	1.259 1.245 1.232 1.224 1.215 1.208 1.202 1.197 1.193 1.190	34.683 34.684 34.686 34.687 34.688 34.688 34.689 34.689	27.773 27.775 27.777 27.778 27.779 27.781 27.781 27.782 27.783 27.783	43.677 43.898 44.119 44.339 44.558 44.778 44.995 45.214 45.431 45.648	27.754 27.755 27.757 27.758 27.759 27.760 27.760 27.761 27.761 27.761	44.3 44.2 44.2 44.3 44.3 44.5 44.5	28.139 28.361 28.582 28.803 29.024 29.246 29.467 29.690 29.912 30.135	90.5 90.6 90.5 90.5 90.5 90.5 90.5 90.5	1514.2 1515.0 1515.8 1516.7 1517.5 1518.4 1519.2 1520.1 1521.0 1521.8	63958.3 65338.8 66729.9 68131.4 69543.4 70966.0 72399.0 73842.5 75296.6 76761.2	6 .1 .7 -1.0 .3 .3 .1 2
4000.0 4050.0 4100.0 4150.0 4200.0 4250.0 4300.0 4350.0 4384.0	3938.2 3987.0 4035.7 4084.5 4133.2 4181.9 4230.6 4279.3 4312.4	1.505 1.507 1.509 1.513 1.517 1.522 1.526 1.531	1.186 1.182 1.179 1.177 1.176 1.174 1.173 1.172	34.690 34.691 34.692 34.691 34.691 34.692 34.692 34.692	27.784 27.785 27.786 27.786 27.786 27.786 27.786 27.786 27.786	45.865 46.082 46.299 46.514 46.729 46.729 47.159 47.373 47.519	27.761 27.762 27.762 27.762 27.761 27.761 27.761 27.760 27.760	44.9 45.0 45.1 45.3 45.5 45.7 46.1 46.3	30.359 30.584 30.809 31.035 31.262 31.490 31.719 31.949 32.106	90.5 90.5 90.4 90.3 90.4 90.4 90.4 90.4	1522.7 1523.6 1524.4 1525.3 1526.2 1527.1 1528.0 1528.9 1529.5	78236.4 79722.3 81218.8 82725.9 84243.8 85772.4 87311.8 88862.1 89922.4	1 .0 .6 .4 4 .8

Station	67	Latitude	31° 37.	18'N	Longit	ude 127°			Aug 1989	GMT 0			4050 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg		LTR 0/0	m/s	m3/s2	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.9 49.9 59.8 69.8 79.8	19.356 19.353 19.257 19.229 19.221 19.165 18.551 18.165 14.839 13.429	19.356 19.352 19.254 19.223 19.214 19.156 18.540 18.153 14.827 13.416	33.453 33.451 33.449 33.438 33.371 33.361 33.244 33.214	23.750 23.751 23.774 23.781 23.789 23.892 23.892 23.980 24.656 24.927	23.750 23.795 23.861 23.911 23.956 24.007 24.154 24.285 25.010 25.327	23.750 23.751 23.773 23.779 23.781 23.787 23.890 23.977 24.654 24.925	413.9 414.1 412.3 412.0 412.2 412.2 402.4 394.4 329.8 304.2	.000 .414 .828 1.240 1.652 2.064 2.471 2.871 3.232 3.547	90.2 90.1 90.1 90.1 90.0 90.0 89.9 89.9	1518.5 1518.7 1518.8 1518.8 1518.8 1517.1 1516.2 1506.0 1501.5	.0 2.1 8.3 18.6 33.0 51.5 74.1 100.7 131.2 165.0	.0 28.7 7 1.2 66.0 90.9 480.0 509.6 131.4
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3	12.415 11.928 11.657 11.066 10.796 10.458 9.958 9.644 9.427 9.110	12.401 11.914 11.642 11.050 10.779 10.441 9.940 9.625 9.407 9.089	33.241 33.271 33.295 33.386 33.422 33.471 33.565 33.632 33.681 33.765	25.147 25.263 25.332 25.510 25.587 25.684 25.842 25.947 26.021 26.138	25.593 25.755 25.869 26.093 26.216 26.358 26.714 26.834 26.997	25.145 25.260 25.330 25.507 25.584 25.680 25.839 25.944 26.018 26.134	283.3 272.4 266.0 249.3 242.1 233.1 218.1 208.3 201.4 190.4	3.840 4.117 4.387 4.646 4.892 5.129 5.353 5.566 5.771 5.966	90.2 90.4 90.5 90.7 90.8 90.9 91.0 90.9 90.9	1498.3 1496.8 1494.3 1494.3 1493.5 1492.5 1490.1 1489.5 1488.6	201.8 241.4 283.7 328.6 376.1 425.9 478.1 532.4 588.8 647.1	144.9 18.1 155.8 151.1 169.2 130.5 64.8 100.8 93.7
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 248.8 258.8 268.7 278.6 288.6	8.906 8.712 8.563 8.407 8.241 8.100 7.968 7.838 7.722 7.554	8.884 8.690 8.540 8.383 8.217 8.075 7.942 7.811 7.694 7.526	33.818 33.869 33.905 33.938 33.967 33.984 34.001 34.010 34.015	26.211 26.282 26.333 26.383 26.465 26.465 26.493 26.517 26.541 26.570	27.117 27.233 27.331 27.426 27.521 27.601 27.675 27.746 27.815 27.890	26.208 26.278 26.330 26.379 26.427 26.461 26.489 26.514 26.537 26.565	183.5 177.0 172.2 167.7 163.2 160.1 157.5 155.3 153.2 150.6	6.153 6.333 6.508 6.678 6.843 7.004 7.163 7.320 7.474 7.626	90.8 90.9 90.8 90.8 90.8 90.8 90.9 90.8	1488.1 1487.6 1487.2 1486.8 1486.4 1486.1 1485.7 1485.4 1485.1 1484.6	707.3 769.4 833.2 898.7 965.9 1034.7 1105.1 1177.0 1250.5 1325.5	19.9 65.0 45.0 28.3 41.5 39.7 18.6 20.3 17.7 16.2
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.1 358.1 368.0 377.9 387.9	7.410 7.358 7.206 7.177 7.058 6.735 6.586 6.332 6.200	7.381 7.328 7.175 7.146 7.026 6.849 6.702 6.552 6.299 6.166	34.020 34.021 34.025 34.025 34.021 34.021 34.021 34.016 34.010 34.018	26.594 26.602 26.627 26.631 26.652 26.669 26.688 26.704 26.732 26.756	27.961 28.014 28.086 28.136 28.204 28.267 28.333 28.396 28.472 28.543	26.590 26.597 26.622 26.627 26.648 26.664 26.700 26.728 26.752	148.3 147.7 145.4 145.1 143.2 141.7 139.8 138.4 135.6	7.776 7.924 8.070 8.215 8.360 8.502 8.643 8.782 8.918 9.053	90.8 90.7 90.6 90.6 90.6 90.6 90.6	1484.2 1484.2 1483.8 1483.5 1483.5 1483.6 1482.6 1482.1 1481.3 1480.9	1402.0 1479.9 1559.3 1640.2 1722.5 1806.2 1891.3 1977.8 2065.7 2154.9	2.1 26.7 13.8 4.4 24.9 10.0 12.6 41.2 12.8 26.2
400.0 410.0 420.0 430.0 440.0 450.0 470.0 480.0 490.0	397.8 407.7 417.6 427.5 437.5 447.4 457.3 467.2 477.2 487.1	6.096 6.045 5.939 5.774 5.742 5.639 5.531 5.443 5.412 5.305	6.061 6.010 5.903 5.738 5.705 5.601 5.493 5.405 5.373 5.265	34.020 34.023 34.023 34.036 34.037 34.040 34.039 34.050 34.062 34.058	26.771 26.779 26.793 26.824 26.829 26.844 26.856 26.875 26.888 26.898	28.604 28.659 28.719 28.798 28.848 28.910 28.969 29.035 29.094 29.151	26.766 26.775 26.789 26.820 26.824 26.839 26.851 26.871 26.883 26.893	132.1 131.4 130.1 127.1 126.8 125.4 124.3 122.4 121.4 120.4	9.186 9.318 9.448 9.576 9.704 9.830 9.955 10.078 10.200 10.320	90.5 90.6 90.6 90.6 90.5 90.5 90.5	1480.7 1480.7 1480.4 1479.9 1479.9 1479.7 1479.4 1479.2 1479.3 1479.0	2245.4 2337.2 2430.3 2524.7 2620.4 2717.3 2815.4 2914.8 3015.4 3117.1	16.3 4.3 23.3 6.8 12.1 10.1 14.1 9.1 18.5
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.8 526.8 536.7 546.6 556.5 566.4 576.3	5.228 5.157 5.126 5.083 5.062 4.989 4.948 4.905 4.859 4.771	5.188 5.084 5.041 5.019 4.945 4.904 4.860 4.814 4.725	34.063 34.071 34.074 34.083 34.091 34.111 34.118 34.125 34.137 34.140	26.911 26.925 26.931 26.944 26.952 26.976 26.987 26.988 27.012 27.025	29.211 29.272 29.324 29.383 29.437 29.508 29.565 29.622 29.683 29.742	26.906 26.920 26.927 26.939 26.947 26.972 26.982 26.992 27.007 27.020	119.2 117.9 117.4 116.3 115.6 113.3 112.4 111.5 110.1 108.9	10.440 10.559 10.676 10.793 10.909 11.024 11.136 11.248 11.359 11.469	90.6 90.6 90.6 90.6 90.6 90.7 90.6 90.7	1478.9 1478.8 1478.8 1478.8 1478.9 1478.8 1478.8 1478.8 1478.8	3220.1 3324.2 3429.6 3536.0 3643.6 3752.4 3862.2 3973.2 4085.3 4198.4	12.9 7.7 11.5 7.7 14.7 28.7 12.1 10.9 8.0 20.2
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0 690.0	596.2 606.1 616.0 625.9 635.8 645.7 655.6 665.5 675.4 685.3	4.716 4.715 4.619 4.596 4.565 4.523 4.493 4.448 4.419 4.408	4.669 4.668 4.571 4.547 4.515 4.473 4.443 4.397 4.367 4.355	34.147 34.165 34.177 34.186 34.196 34.217 34.232 34.243 34.251 34.277	27.037 27.051 27.071 27.081 27.093 27.114 27.129 27.142 27.152 27.174	29.801 29.861 29.928 29.984 30.042 30.109 30.171 30.231 30.287 30.354	27.032 27.045 27.065 27.076 27.087 27.108 27.123 27.137 27.146 27.168	107.8 106.6 104.7 103.8 102.8 100.9 99.5 98.2 97.4 95.4	11.577 11.684 11.790 11.894 11.997 12.099 12.199 12.298 12.396 12.492	90.7 90.7 90.9 90.7 90.6 90.7 90.6 90.7	1478.5 1478.5 1478.5 1478.6 1478.6 1478.7 1478.7 1478.7	4312.7 4427.9 4544.3 4661.7 4780.0 4899.4 5019.8 5141.2 5263.6 5386.9	2.4 5.6 37.8 6.2 14.7 12.9 10.9 7.4 21.1 8.8
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5 784.4	4.406 4.369 4.344 4.328 4.306 4.317 4.292 4.386 4.364 4.332	4.352 4.315 4.289 4.273 4.250 4.260 4.234 4.327 4.304 4.272	34.279 34.300 34.309 34.316 34.326 34.336 34.361 34.370 34.375	27.176 27.189 27.199 27.208 27.216 27.223 27.233 27.244 27.253 27.260	30.402 30.462 30.518 30.573 30.627 30.680 30.736 30.790 30.846 30.899	27.170 27.183 27.193 27.202 27.210 27.217 27.227 27.237 27.247 27.254	95.3 94.2 93.3 92.5 91.8 91.2 90.3 89.7 88.8	12.588 12.682 12.776 12.869 12.961 13.052 13.143 13.233 13.322 13.411	90.7 90.7 90.6 90.7 90.7 90.7 90.6 90.6 90.6	1479.0 1479.1 1479.1 1479.2 1479.3 1479.5 1479.6 1480.2 1480.3	5511.1 5636.3 5762.4 5889.4 6017.3 6146.1 6275.8 6406.4 6537.9 6670.3	4.5 9.1 11.2 3.6 5.9 8.3 3.4 7.2 3.7
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.335 4.327 4.303 4.267 4.226 4.202 4.184 4.147 4.146 4.131	4.274 4.265 4.240 4.204 4.162 4.137 4.119 4.081 4.079 4.063	34.387 34.392 34.401 34.408 34.412 34.414 34.418 34.424 34.424 34.427	27.270 27.274 27.285 27.294 27.301 27.306 27.311 27.319 27.320 27.324	30.954 31.004 31.061 31.116 31.170 31.221 31.271 31.327 31.373 31.423	27.263 27.268 27.278 27.287 27.295 27.299 27.304 27.313 27.313	87.4 87.1 86.2 85.3 84.7 84.3 83.9 83.1 83.2	13.498 13.586 13.672 13.758 13.843 13.928 14.012 14.095 14.178 14.261	90.7 90.7 90.6 90.7 90.6 90.7 90.7 90.6 90.5 90.5	1480.5 1480.7 1480.8 1480.8 1480.8 1480.9 1480.9 1481.1 1481.2	6803.5 6937.6 7072.5 7208.3 7344.9 7482.4 7620.7 7759.8 7899.7 8040.4	5.7 11.6 9.5 5.7 8.9 -1 5.7 2.5 1.6
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.5 972.4 982.3	4.091 4.063 4.054 4.026 4.006 3.979 3.966 3.934 3.918 3.848	4.023 3.994 3.985 3.956 3.935 3.907 3.894 3.861 3.844 3.774	34.431 34.443 34.447 34.447 34.456 34.456 34.464 34.468 34.468	27.331 27.337 27.344 27.351 27.356 27.363 27.365 27.374 27.379 27.384	31.477 31.529 31.582 31.634 31.686 31.739 31.787 31.842 31.893 31.945	27.324 27.330 27.337 27.343 27.349 27.355 27.358 27.367 27.371	82.2 81.7 81.1 80.5 80.0 79.4 79.3 78.5 78.5	14.344 14.426 14.507 14.588 14.668 14.748 14.828 14.906 14.905	90.7 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.7	1481.2 1481.3 1481.4 1481.5 1481.5 1481.6 1481.7 1481.7 1481.7	8182.0 8324.3 8467.5 8611.4 8756.2 8901.7 9048.0 9195.1 9342.9 9491.5	6.3 8.7 8.4 6.1 11.6 3.4 8.1 7.3 4.0

Station	67	Latitude	31° 37.	18'N	Longitu	ide 127°	12.43'W	30	Aug 1989	GMT 02	2:12	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0 1120.0 1140.0 1160.0	992.2 1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.7 1150.4 1170.2	3.827 3.779 3.732 3.676 3.631 3.588 3.554 3.513 3.467 3.422	3.753 3.703 3.655 3.598 3.552 3.508 3.472 3.430 3.383 3.337	34.468 34.475 34.480 34.485 34.500 34.505 34.510 34.514 34.518	27.388 27.399 27.408 27.417 27.426 27.438 27.445 27.445 27.462 27.469	31.996 32.099 32.200 32.302 32.403 32.507 32.607 32.707 32.808 32.908	27.380 27.391 27.400 27.410 27.418 27.430 27.437 27.437 27.445 27.454 27.461	77.2 76.2 75.5 74.6 73.8 72.8 72.1 71.4 70.7	15.140 15.293 15.445 15.595 15.743 15.890 16.035 16.178 16.320 16.461	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1481.8 1481.9 1482.1 1482.2 1482.3 1482.5 1482.7 1482.8 1483.0 1483.1	9640.9 9941.9 10245.9 10552.8 10862.7 11175.4 11491.0 11809.4 12130.6 12454.6	6.1 2.6 10.5 6.4 5.5 14.3 5.6 5.3
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0 1380.0	1189.9 1209.7 1229.5 1249.2 1269.0 1288.7 1308.5 1328.2 1348.0 1367.7	3.373 3.323 3.266 3.218 3.179 3.138 3.099 3.065 3.031 2.989	3.286 3.235 3.177 3.127 3.087 3.045 3.004 2.970 2.934 2.891	34.523 34.526 34.529 34.535 34.537 34.541 34.544 34.551 34.551	27.477 27.485 27.493 27.502 27.508 27.514 27.521 27.521 27.532 27.539	33.008 33.108 33.209 33.311 33.409 33.508 33.607 33.704 33.802 33.901	27.469 27.476 27.485 27.493 27.506 27.512 27.518 27.524 27.530	69.3 68.6 67.8 67.0 66.5 65.9 65.3 64.3 63.7	16.600 16.738 16.875 17.010 17.143 17.275 17.406 17.537 17.666 17.794	90.6 90.6 90.6 90.7 90.7 90.6 90.6 90.6	1483.3 1483.4 1483.5 1483.6 1483.8 1484.1 1484.3 1484.5 1484.5	12781.3 13110.7 13442.8 13777.5 14114.8 14454.8 14797.3 15142.3 15489.9 15840.0	6.2 6.8 1.2 3.6 6.8 1.8 7 3.6 -1.7
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.5 1407.2 1426.9 1446.7 1466.4 1486.2 1505.9 1525.6 1545.3 1565.1	2.965 2.922 2.880 2.855 2.821 2.790 2.766 2.730 2.693 2.654	2.866 2.822 2.779 2.752 2.717 2.684 2.659 2.662 2.583 2.543	34.558 34.562 34.563 34.566 34.569 34.570 34.577 34.577	27.542 27.548 27.555 27.559 27.564 27.569 27.573 27.579 27.584 27.590	33.996 34.094 34.194 34.289 34.386 34.483 34.578 34.578 34.774 34.872	27.533 27.539 27.546 27.550 27.555 27.560 27.563 27.569 27.575 27.580	63.4 62.9 62.2 61.9 61.4 61.0 60.7 60.1 59.6	17.921 18.047 18.172 18.296 18.420 18.542 18.664 18.784 18.904	90.6 90.7 90.6 90.6 90.6 90.6 90.6	1484.9 1485.0 1485.2 1485.4 1485.6 1486.8 1486.0 1486.2 1486.4 1486.6	16192.5 16547.6 16905.1 17264.9 17627.2 17991.9 18359.0 18728.4 19100.2 19474.2	2.2 3.6 3.1 1.6 2.7.8 1.4 5.2
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0	1584.8 1604.5 1624.2 1643.9 1663.7 1683.4 1703.1 1722.8 1742.5 1762.2	2.618 2.579 2.554 2.526 2.498 2.481 2.450 2.405 2.369 2.342	2.507 2.466 2.440 2.410 2.381 2.363 2.284 2.284 2.247 2.218	34.582 34.586 34.587 34.590 34.591 34.593 34.597 34.600 34.602 34.605	27.596 27.601 27.605 27.610 27.613 27.616 27.622 27.628 27.633 27.638	34.970 35.068 35.163 35.259 35.355 35.449 35.5446 35.645 35.742 35.839	27.586 27.592 27.595 27.600 27.603 27.606 27.612 27.618 27.623 27.628	58.5 57.6 57.2 56.8 56.1 55.4 54.9	19.140 19.256 19.372 19.487 19.601 19.714 19.827 19.938 20.049 20.158	90.6 90.5 90.6 90.6 90.6 90.6 90.6 90.6	1486.7 1486.9 1487.1 1487.3 1487.6 1487.8 1488.0 1488.2 1488.4 1488.6	19850.6 20229.2 20610.1 20993.2 21378.5 21766.0 22155.7 22547.6 22941.7 23337.8	2.0 2.3 1.7 2.3 2.3 3.2 4.1 2.4
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1920.0 1960.0 1980.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1919.8 1939.5 1959.2	2.320 2.300 2.273 2.247 2.221 2.203 2.178 2.155 2.133 2.113	2.195 2.174 2.146 2.119 2.091 2.072 2.046 2.021 1.998 1.976	34.606 34.609 34.611 34.613 34.617 34.617 34.618 34.619 34.621 34.622	27.641 27.644 27.652 27.655 27.659 27.665 27.665 27.668 27.668	35.933 36.028 36.124 36.219 36.314 36.408 36.503 36.597 36.691 36.785	27.631 27.638 27.642 27.645 27.649 27.651 27.654 27.657 27.660	54.2 53.9 53.5 53.1 52.8 52.5 52.2 51.6 51.3	20.267 20.375 20.482 20.589 20.695 20.800 20.905 21.009 21.112 21.216	90.6 90.5 90.6 90.6 90.6 90.6 90.6	1488.8 1489.1 1489.3 1489.5 1489.7 1490.0 1490.2 1490.5 1490.7 1491.0	23736.1 24136.5 24538.9 24943.5 25350.1 25758.7 26169.3 26582.0 26996.7 27413.3	3.3 3.9 4.2 .7 .4 1.0 .1 1.3
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2350.0 2400.0 2450.0	1978.9 2028.1 2077.3 2126.4 2175.6 2224.8 2273.9 2323.1 2372.2 2421.3	2.094 2.058 2.023 1.988 1.952 1.917 1.891 1.858 1.834 1.804	1.956 1.916 1.877 1.839 1.760 1.731 1.693 1.665	34.624 34.628 34.633 34.635 34.644 34.644 34.648 34.651 34.654	27.674 27.680 27.687 27.692 27.698 27.705 27.709 27.714 27.718 27.723	36.879 37.113 37.347 37.578 37.811 38.044 38.273 38.504 38.734 38.964	27.663 27.669 27.676 27.681 27.687 27.693 27.697 27.701 27.705 27.710	51.1 50.5 49.9 49.5 49.0 48.5 48.1 47.7 47.4	21.318 21.572 21.823 22.072 22.319 22.563 22.804 23.043 23.281 23.517	90.6 90.6 90.5 90.5 90.5 90.5 90.5	1491.2 1491.9 1492.6 1493.3 1494.0 1495.4 1496.1 1496.8 1497.5	27832.0 28887.2 29954.6 31034.1 32125.5 33228.6 34343.5 35469.9 36607.7 37757.0	2.4 1.4 1.2 1.5 1.6 1.3 9
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2900.0 2950.0	2470.4 2519.5 2568.6 2617.6 2666.7 2715.7 2764.8 2813.8 2862.8 2911.8	1.781 1.754 1.732 1.714 1.689 1.672 1.654 1.639 1.622 1.610	1.605 1.574 1.548 1.526 1.496 1.475 1.452 1.433 1.412	34.656 34.659 34.660 34.662 34.664 34.666 34.667 34.668 34.670	27.726 27.731 27.734 27.737 27.741 27.743 27.747 27.749 27.751 27.754	39.192 39.421 39.649 39.876 40.104 40.330 40.556 40.781 41.007 41.231	27.713 27.717 27.720 27.723 27.727 27.727 27.729 27.732 27.734 27.736 27.738	46.8 46.1 45.9 45.6 45.4 45.1 44.9 44.8	23.752 23.984 24.215 24.446 24.674 24.902 25.128 25.354 25.579 25.803	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1498.3 1499.0 1499.8 1500.5 1501.3 1502.1 1502.8 1503.6 1504.4 1505.2	38917.5 40089.2 41272.0 42465.9 43670.7 44886.5 46113.1 47350.5 48598.6 49857.5	2.6 2.1 4 -1.9 2.9 .3 2.4
3000.0 3050.0 3100.0 3112.0	2960.8 3009.8 3058.7 3070.5	1.600 1.583 1.572 1.571	1.381 1.360 1.343 1.342	34.673 34.675 34.675 34.675	27.756 27.759 27.761 27.761	41.456 41.681 41.904 41.957	27.740 27.743 27.744 27.744	44.7 44.4 44.4	26.027 26.250 26.472 26.526	90.6 90.5 90.5 90.5	1506.0 1506.8 1507.6 1507.8	51127.1 52407.4 53698.3 54009.6	1 1 -1.8

Station	68	Latitude	31. 23	.47'N	Longit	tude 127°	20.78'W	30	Aug 198:	9 GMT C	5:21	Bottom	4200 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-6 kg/m ³	9 Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht g J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0	.0 10.0 20.0 29.9 39.9 49.9 59.8 69.8 79.8	19.257 19.263 19.204 19.204 19.057 18.610 18.404 16.414 14.621 14.403	19.257 19.261 19.245 19.199 19.050 18.601 18.393 16.403 14.609 14.390	33.432 33.430 33.429 33.415 33.382 33.382 33.384 33.418	23.759 23.758 23.760 23.772 23.798 23.838 24.431 24.773 24.884	23.759 23.801 23.847 23.972 24.104 24.199 24.738 25.126 25.281	23.759 23.757 23.760 23.770 23.797 23.885 23.935 24.429 24.770 24.881	413.0 413.5 413.6 412.9 410.7 402.6 398.1 351.2 318.7 308.5	.000 .413 .827 1.240 1.652 2.059 2.460 2.838 3.171 3.484	90.1 90.1 90.1 89.9 90.1 90.0 89.8 90.1 90.2	1518.2 1518.4 1518.5 1518.6 1518.3 1517.1 1516.7 1511.0 1505.4	.0 2.1 8.2 18.6 33.0 51.5 74.0 100.5 130.4 163.6	.0 .8 11.8 5.8 31.7 47.0 85.9 426.1 244.3 253.6
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3	12.858 12.409 12.718 11.968 11.607 11.172 10.819 10.373 10.154 9.695	12.845 12.394 12.702 11.951 11.590 11.154 10.799 10.353 10.133 9.674	33.228 33.213 33.434 33.391 33.435 33.465 33.578 33.645 33.672	25.052 25.127 25.239 25.349 25.451 25.5616 25.782 25.872 25.970	25.497 25.618 25.773 25.930 26.078 26.204 26.335 26.547 26.682 26.827	25.049 25.236 25.236 25.346 25.448 25.528 25.613 25.778 25.868 25.967	292.5 285.5 275.2 264.8 255.3 247.8 239.8 2215.8 206.5	3.783 4.072 4.354 4.623 4.883 5.135 5.379 5.609 5.830 6.041	90.2 90.4 90.5 90.7 90.8 91.0 90.9 91.0	1499.8 1498.4 1499.9 1497.4 1496.4 1495.0 1494.0 1492.7 1492.7	199.7 238.9 280.8 325.5 372.8 422.6 474.9 529.6 586.5 645.5	44.6 47.2 157.0 110.0 112.3 73.9 139.4 65.3 140.8 45.5
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.0 229.0 238.9 248.9 258.8 268.7 278.6 288.6	9.500 9.166 8.861 8.801 8.731 8.420 8.200 8.039 7.942 7.904	9.478 9.143 8.838 8.776 8.705 8.394 8.173 8.012 7.914 7.875	33.743 33.804 33.850 33.888 33.900 33.964 33.974 33.982 33.996	26.057 26.159 26.243 26.282 26.303 26.343 26.4466 26.487 26.504	26.960 27.109 27.240 27.325 27.390 27.529 27.615 27.693 27.760 27.822	26.053 26.155 26.240 26.279 26.299 26.391 26.431 26.462 26.483 26.500	198.4 188.8 180.9 177.3 175.5 166.9 163.2 160.3 158.4 157.0	6.243 6.437 6.621 6.800 6.976 7.147 7.312 7.474 7.633 7.791	90.9 90.9 91.0 90.9 90.9 90.9 90.9 90.9	1490.2 1489.2 1488.3 1488.2 1487.2 1486.6 1486.1 1485.9 1486.0	706.6 769.6 834.5 901.2 969.6 1039.8 1111.6 1185.1 1260.1 1336.7	35.8 106.1 51.3 12.6 76.1 24.6 33.6 18.0 9.3 36.5
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.2 358.1 368.0 378.0 387.9	7.712 7.606 7.395 7.233 6.996 6.841 6.707 6.543 6.499 6.438	7.682 7.576 7.364 7.201 6.964 6.809 6.674 6.509 6.465 6.403	34.002 34.004 34.008 34.009 34.003 34.003 34.006 34.007 34.007	26.537 26.554 26.587 26.611 26.642 26.660 26.703 26.709 26.724	27.902 27.965 28.044 28.115 28.258 28.326 28.396 28.396 28.509	26.532 26.550 26.582 26.606 26.637 26.655 26.676 26.679 26.704 26.720	153.9 152.4 149.3 147.1 144.2 142.5 140.6 138.4 138.0 136.6	7.946 8.099 8.250 8.399 8.544 8.687 8.829 8.968 9.107 9.244	90.8 90.8 90.8 90.8 90.7 90.7 90.8 90.7	1485.4 1485.2 1484.5 1484.0 1483.3 1482.8 1482.5 1482.0 1482.0 1481.9	1414.9 1494.6 1575.8 1658.4 1742.6 1828.1 1915.1 2003.4 2093.1 2184.2	21.2 24.1 30.0 37.2 34.6 13.5 30.1 .5 3.7 20.7
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.8 407.7 417.7 427.6 437.5 447.4 457.4 467.3 477.2	6.366 6.244 6.062 5.952 5.879 5.784 5.703 5.618 5.514 5.442	6.331 6.208 6.026 5.915 5.841 5.746 5.664 5.579 5.475 5.402	34.037 34.040 34.026 34.031 34.036 34.043 34.058 34.066 34.071	26.750 26.768 26.780 26.798 26.810 26.823 26.839 26.861 26.879 26.892	28.580 28.645 28.705 28.770 28.828 28.888 28.950 29.019 29.084 29.143	26.745 26.763 26.775 26.794 26.805 26.818 26.834 26.856 26.875 26.887	134.3 132.7 131.5 129.8 128.7 127.5 126.1 124.0 122.3 121.1	9.380 9.513 9.645 9.776 9.906 10.033 10.160 10.285 10.408 10.530	90.6 90.6 90.7 90.7 90.6 90.6 90.6	1481.8 1481.5 1480.9 1480.6 1480.5 1480.3 1480.1 1480.1 1479.7 1479.6	2276.6 2370.4 2465.5 2561.8 2569.5 2758.4 2858.6 2960.0 3062.7 3166.5	8.1 15.1 20.4 13.0 28.0 16.5 36.7 22.4 21.2
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 507.0 516.9 526.8 536.7 546.6 556.5 566.5 576.4 586.3	5.388 5.305 5.259 5.211 5.150 5.159 5.094 5.094 5.092 5.087	5.347 5.263 5.217 5.168 5.107 5.114 5.049 4.968 5.045 5.040	34.088 34.097 34.101 34.114 34.125 34.140 34.160 34.175 34.203 34.216	26.912 26.929 26.938 26.954 26.969 26.981 27.004 27.024 27.038 27.049	29.210 29.274 29.328 29.390 29.453 29.510 29.580 29.647 29.705 29.762	26.907 26.925 26.933 26.948 26.964 26.976 26.979 27.019 27.033 27.044	119.3 117.7 117.0 115.5 114.1 113.2 111.0 109.1 108.0 107.1	10.650 10.769 10.886 11.002 11.117 11.231 11.343 11.453 11.562 11.669	90.6 90.5 90.6 90.6 90.7 90.7 90.7 90.7 90.7	1479.5 1479.4 1479.3 1479.3 1479.5 1479.4 1479.8 1480.0	3271.6 3377.8 3485.2 3593.7 3703.4 3814.2 3926.1 4039.1 4153.2 4268.4	22.6 15.9 4.5 19.1 3.3 31.4 21.2 10.4 21.2
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0 690.0	596.2 606.1 616.0 625.9 635.8 645.7 665.6 675.5	5.032 4.976 4.972 4.899 4.884 4.859 4.801 4.758 4.739 4.689	4.984 4.928 4.923 4.849 4.833 4.807 4.749 4.705 4.686 4.635	34.230 34.235 34.245 34.261 34.261 34.290 34.297 34.299 34.306	27.066 27.077 27.085 27.098 27.108 27.127 27.141 27.151 27.156 27.166	29.825 29.883 29.937 29.996 30.052 30.118 30.178 30.234 30.284 30.342	27.061 27.072 27.080 27.093 27.103 27.122 27.135 27.146 27.149 27.160	105.5 104.5 103.9 102.7 101.8 100.1 98.8 97.9 97.6 96.6	11.775 11.880 11.984 12.087 12.190 12.291 12.390 12.488 12.586 12.683	90.7 90.8 90.6 90.7 90.8 90.6 90.6 90.7	1479.9 1479.9 1480.0 1479.9 1480.0 1480.1 1480.0 1480.1 1480.1	4384.6 4501.8 4620.1 4739.4 4859.7 4981.0 5103.3 5226.5 5350.8 5476.0	16.5 3.9 14.5 3.6 13.6 22.7 7.4 8.6 11.5 8.9
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5	4.649 4.620 4.589 4.563 4.562 4.530 4.500 4.503 4.478 4.482	4.595 4.564 4.533 4.506 4.504 4.471 4.441 4.443 4.418 4.420	34.313 34.320 34.328 34.333 34.341 34.349 34.362 34.371 34.376	27.176 27.185 27.195 27.201 27.202 27.212 27.222 27.232 27.242 27.246	30.398 30.453 30.509 30.561 30.608 30.664 30.721 30.776 30.832 30.881	27.170 27.179 27.189 27.195 27.195 27.206 27.216 27.226 27.225 27.235	95.8 94.9 94.1 93.6 93.6 92.7 91.8 91.0 90.1 89.9	12.779 12.875 12.969 13.063 13.156 13.250 13.342 13.433 13.524 13.614	90.6 90.6 90.7 90.7 90.7 90.7 90.6 90.6	1480.1 1480.2 1480.2 1480.2 1480.4 1480.5 1480.5 1480.7 1480.8	5602.1 5729.2 5857.2 5986.1 6116.0 6246.7 6378.4 6511.0 6644.5 6778.9	4.2 20.6 2.8 5.7 3.4 10.1 6.6 1.9 14.8 8.4
800.0 810.0 820.0 830.0 840.0 850.0 860.0 860.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.415 4.376 4.337 4.276 4.252 4.252 4.191 4.166 4.153 4.149	4.353 4.314 4.274 4.213 4.187 4.155 4.126 4.100 4.087 4.082	34.382 34.384 34.391 34.402 34.407 34.412 34.414 34.421 34.421	27.258 27.263 27.273 27.284 27.291 27.298 27.305 27.310 27.316 27.322	30.940 30.992 31.049 31.157 31.253 31.266 31.316 31.369 31.420	27.251 27.257 27.267 27.278 27.284 27.291 27.299 27.303 27.310 27.315	88.7 88.2 87.3 85.7 85.1 84.4 84.1 83.5 83.1	13.703 13.792 13.879 13.966 14.052 14.137 14.222 14.306 14.390 14.474	90.6 90.7 90.7 90.6 90.6 90.7 90.6 90.6	1480.9 1480.9 1480.8 1480.9 1480.9 1480.9 1481.0 1481.1 1481.3	6914.1 7050.2 7187.2 7325.1 7463.8 7603.3 7743.6 7884.8 8026.9 8169.7	3.4 9.2 5.1 10.1 12.5 10.4 1.6 9.5 2.2 14.5
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.6 972.5 982.4	4.107 4.063 4.027 4.003 3.981 3.961 3.943 3.919 3.865 3.832	4.038 3.995 3.958 3.933 3.910 3.890 3.871 3.846 3.792 3.759	34.432 34.441 34.445 34.449 34.453 34.455 34.457 34.463 34.463	27.330 27.338 27.346 27.352 27.357 27.362 27.366 27.370 27.380 27.387	31.475 31.530 31.584 31.636 31.688 31.739 31.788 31.839 31.896 31.949	27.323 27.331 27.339 27.344 27.350 27.355 27.358 27.363 27.373 27.379	82.3 81.5 80.8 80.4 79.9 79.5 79.2 78.8 77.8	14.556 14.638 14.719 14.800 14.880 14.960 15.039 15.118 15.196 15.274	90.6 90.7 90.6 90.7 90.7 90.7 90.6 90.6	1481.3 1481.3 1481.4 1481.4 1481.5 1481.6 1481.7 1481.6	8313.3 8457.8 8603.1 8749.1 8895.9 9043.6 9191.9 9341.1 9491.1 9641.8	1.7 -1.6 5.5 4.3 6.1 5.5 3.7 8.1 1.7

Station	68	Latitude	31° 23.4	17'N	Longitu	ide 127°	20.78'W	30	Aug 1989	GMT 05	5:21	Bottom	
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0 1120.0 1140.0 1160.0	992.3 1012.0 1031.8 1051.6 1071.4 1091.2 1110.9 1130.7 1150.5 1170.2	3.788 3.726 3.669 3.624 3.527 3.489 3.441 3.407	3.714 3.651 3.592 3.546 3.494 3.447 3.408 3.358 3.322 3.283	34.472 34.478 34.485 34.490 34.495 34.501 34.506 34.512 34.516 34.519	27.496 27.418 27.427 27.436 27.444 27.452 27.462 27.468 27.475	32.004 32.108 32.212 32.313 32.415 32.516 32.616 32.718 32.817 32.915	27.388 27.399 27.410 27.419 27.428 27.437 27.444 27.454 27.461 27.461	76.4 75.4 74.4 73.6 72.8 72.0 71.3 70.4 69.9 69.4	15.350 15.502 15.652 15.800 15.946 16.091 16.234 16.376 16.516	90.6 90.7 90.7 90.6 90.7 90.6 90.7 90.6	1481.6 1481.7 1481.8 1482.0 1482.1 1482.2 1482.4 1482.5 1482.7 1482.9	9793.2 10098.4 10406.5 10717.5 11031.4 11348.1 11667.7 11990.0 12315.1 12642.9	10.8 6.4 2.0 7.3 12.8 2.3 3.2 2.3 4.1 1.5
1200.0 1220.0 1240.0 1260.0 1380.0 1320.0 1340.0 1360.0 1380.0	1190.0 1209.8 1229.5 1249.3 1269.0 1288.8 1308.5 1328.3 1348.0 1367.8	3.330 3.272 3.239 3.203 3.171 3.141 3.109 3.074 3.025 2.994	3.244 3.184 3.150 3.112 3.079 3.048 3.014 2.978 2.929 2.896	34.528 34.530 34.535 34.535 34.538 34.541 34.544 34.547 34.550 34.553	27.481 27.491 27.496 27.503 27.509 27.514 27.520 27.525 27.533 27.537	33.014 33.116 33.214 33.313 33.410 33.508 33.605 33.702 33.803 33.899	27.473 27.483 27.488 27.495 27.500 27.506 27.511 27.516 27.524 27.529	68.8 67.4 66.8 66.3 65.5 65.5 65.2	16.794 16.930 17.065 17.199 17.333 17.465 17.596 17.727 17.856 17.984	90.6 90.6 90.6 90.7 90.6 90.6 90.6 90.6	1483.1 1483.2 1483.4 1483.5 1483.7 1483.9 1484.1 1484.3 1484.5 1484.7	12973.5 13306.7 13642.5 13981.0 14322.1 14665.8 15012.1 15360.9 15712.2 16066.0	3.8 3.2 5.9 1.2 4.2 3.3 2.1 1.0
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.5 1407.3 1427.0 1446.7 1466.5 1505.9 1525.7 1545.4 1565.1	2.962 2.918 2.882 2.841 2.806 2.771 2.739 2.708 2.665 2.627	2.862 2.817 2.781 2.738 2.701 2.666 2.632 2.600 2.556 2.517	34.556 34.559 34.562 34.565 34.568 34.571 34.574 34.576 34.578	27.543 27.550 27.555 27.562 27.567 27.573 27.578 27.583 27.588 27.593	33.997 34.096 34.193 34.292 34.390 34.487 34.584 34.681 34.779 34.876	27.534 27.541 27.546 27.553 27.558 27.563 27.568 27.573 27.579 27.583	63.3 62.7 62.2 61.6 61.1 60.1 59.7 59.7	18.111 18.237 18.362 18.486 18.608 18.730 18.851 18.970 19.089 19.207	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1484.9 1485.0 1485.2 1485.3 1485.7 1485.7 1486.1 1486.3 1486.4	16422.4 16781.1 17142.4 17506.0 17872.1 18240.5 18611.2 18984.3 19359.7	4.5 2.5 5.4 2.1 4.3 2.5 7.8
1600.0 1620.0 1640.0 1680.0 1700.0 1720.0 1740.0 1760.0	1584.8 1604.6 1624.3 1644.0 1663.7 1683.4 1703.1 1722.8 1742.6 1762.3	2.599 2.564 2.538 2.513 2.480 2.449 2.413 2.393 2.374 2.347	2.487 2.451 2.424 2.398 2.363 2.331 2.294 2.272 2.252 2.224	34.583 34.585 34.588 34.591 34.595 34.598 34.600 34.603 34.606	27.597 27.603 27.607 27.611 27.617 27.620 27.626 27.629 27.633 27.638	34.972 35.070 35.166 35.262 35.359 35.454 35.552 35.646 35.742 35.838	27.588 27.593 27.597 27.601 27.607 27.610 27.616 27.619 27.623 27.627	58.2 57.7 57.3 57.0 56.4 56.1 55.5 55.3 54.9 54.5	19.324 19.440 19.554 19.669 19.782 19.895 20.006 20.117 20.227 20.337	90.6 90.5 90.6 90.6 90.6 90.5 90.5	1486.7 1486.8 1487.1 1487.3 1487.5 1487.7 1487.9 1488.1 1488.4 1488.6	20117.4 20499.7 20884.2 21270.9 21659.8 22050.9 22444.2 22839.6 23237.2 23636.8	2.3 4.6 .5 1.4 3.2 1.4 1.2 3.0 1.2
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1920.0 1940.0 1960.0	1782.0 1801.7 1821.4 1841.1 1860.8 1880.5 1900.2 1919.8 1939.5 1959.2	2.322 2.300 2.268 2.231 2.210 2.192 2.162 2.148 2.131 2.115	2.197 2.174 2.141 2.102 2.080 2.061 2.030 2.014 1.996 1.978	34.606 34.607 34.611 34.613 34.616 34.618 34.621 34.623 34.624 34.624	27.640 27.643 27.648 27.654 27.665 27.665 27.665 27.669 27.670 27.674	35.932 36.026 36.124 36.221 36.317 36.410 36.507 36.601 36.694 36.789	27.630 27.632 27.638 27.643 27.650 27.655 27.658 27.660 27.663	54.2 54.0 53.5 52.9 52.5 52.3 51.8 51.4 51.0	20.445 20.553 20.661 20.767 20.873 20.978 21.081 21.185 21.288 21.390	90.6 90.6 90.6 90.5 90.5 90.6 90.6	1488.8 1489.1 1489.3 1489.4 1489.7 1489.9 1490.2 1490.4 1490.7 1491.0	24038.6 24442.5 24848.5 25256.6 25666.7 26078.8 26492.9 26909.1 27327.2 27747.3	3.3 4.8 6.5 2.2 3.3 2.7 2.2 1.9
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2300.0 2400.0 2450.0	1978.9 2028.1 2077.3 2126.5 2175.7 2224.8 2274.0 2323.1 2372.2 2421.4	2.093 2.060 2.021 1.999 1.971 1.940 1.905 1.868 1.840	1.955 1.918 1.875 1.849 1.818 1.783 1.744 1.704 1.671	34.628 34.633 34.641 34.641 34.646 34.648 34.652 34.653	27.677 27.684 27.690 27.696 27.700 27.705 27.710 27.715 27.719 27.722	36.883 37.116 37.350 37.581 37.812 38.042 38.273 38.505 38.734 38.963	27.667 27.673 27.679 27.684 27.688 27.693 27.703 27.706 27.710	50.7 50.2 49.7 49.2 48.9 48.6 48.1 47.6 47.3	21.492 21.744 21.994 22.242 22.487 22.731 22.972 23.212 23.449 23.685	90.5 90.6 90.6 90.5 90.5 90.5	1491.2 1491.9 1492.6 1493.3 1494.8 1495.5 1496.1 1496.9 1497.6	28169.4 29233.2 30309.1 31396.9 33608.1 34731.2 35865.9 37012.0 38169.5	2.8 2.9 -1.4 1.6 1.6 1.6
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2900.0	2470.5 2519.6 2568.6 2617.7 2666.8 2715.8 2715.8 2764.8 2813.9 2862.9 2911.9	1.781 1.755 1.725 1.709 1.692 1.674 1.655 1.630 1.612	1.604 1.574 1.540 1.520 1.499 1.476 1.453 1.424 1.402	34.658 34.660 34.662 34.665 34.665 34.668 34.670 34.671 34.672	27.728 27.732 27.736 27.738 27.741 27.744 27.748 27.751 27.753 27.755	39.194 39.422 39.651 39.877 40.104 40.330 40.557 40.784 41.009 41.233	27.715 27.718 27.722 27.724 27.727 27.729 27.733 27.736 27.738 27.739	46.6 46.3 45.9 45.8 45.6 45.4 45.2 44.9 44.7	23.920 24.152 24.382 24.612 24.840 25.068 25.294 25.520 25.744 25.967	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1498.3 1499.0 1499.7 1500.5 1501.3 1502.1 1502.8 1503.6 1504.3 1505.1	39338.3 40518.3 41709.3 42911.4 44124.4 45348.3 46583.1 47828.6 49084.9 50351.9	3.2 3.0 1.9 4 1 7 2.4 1.5
3000.0 3050.0 3100.0 3118.0	2960.9 3009.9 3058.8 3076.4	1.585 1.577 1.562 1.559	1.366 1.353 1.334 1.329	34.674 34.675 34.676 34.676	27.758 27.760 27.762 27.762	41.459 41.682 41.906 41.986	27.742 27.744 27.746 27.746	44.4 44.4 44.2 44.2	26.189 26.411 26.632 26.712	90.5 90.5 90.4 90.6	1505.9 1506.7 1507.5 1507.8	51629.4 52917.6 54216.4 54686.5	1.4 1.1 .0

Station	69	Latitude	31. 14	.43'N	Longi	tude 127°	01.10'W	30	Aug 198	9 GMT (08:58	Bottom	4225 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma- kg/m ³	0 Sigma-z			Dyn.Ht	LTR	sv	TF m ³ /s ²	N ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	10.0 20.0 29.9 39.9 49.9 59.8 69.8 89.7	19.286 19.286 19.285 19.233 19.054 18.808 18.775 17.921 15.733 14.014	19.286 19.284 19.228 19.228 19.047 18.799 18.764 17.909 15.701 14.001	33.430 33.431 33.427 33.419 33.400 33.427 33.420 33.257	23.750 23.751 23.763 23.802 23.850 23.850 23.850 24.086 24.471	23.750 23.794 23.838 23.893 23.976 24.067 24.141 24.391 24.823	23.750 23.751 23.751 23.761 23.801 23.848 23.877 24.083 24.468 24.804	413.8 414.1 414.5 413.8 410.3 406.1 403.6 384.3 3347.7 315.7	g J/kg .000 .414 .828 1.243 1.655 2.063 2.468 2.863 3.230 3.562	90.1 90.0 90.1 90.0 90.0 90.0 90.0 90.1 89.8	1518.3 1518.5 1518.6 1518.6 1518.3 1517.7 1517.8 1515.5	0 2 1 8.3 18.6 33.0 51.6 74.2 100.8 131.1	10 7 8
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3	12.939 12.584 12.143 11.769 11.415 10.804 10.415 10.033 9.817 9.571	12.926 12.569 12.127 11.753 11.398 10.786 10.396 10.014 9.797 9.550	33.223 33.339 33.395 33.429 33.459 33.592 33.713 33.735	25.032 25.186 25.320	25.477 25.857 25.855 25.971 26.108 26.288 26.434 26.617 26.794 26.897	25.029 25.183 25.316 25.386 25.478 25.611 25.711 25.847 26.036	294.4 279.9 267.4 260.9 252.3 239.8 230.4 217.5 205.2 199.9	3.864 4.150 4.424 4.688 4.944 5.190 5.424 5.649 5.860 6.061	89.9 90.3 90.6 90.7 90.7 90.8 90.9 91.0 90.9	1500.3 1499.2 1497.9 1496.8 1493.8 1492.6 1491.5 1491.0	202.0 241.9 284.6 329.9 377.8 428.3 481.1 536.1 652.6	128.0 151.4 109.5 40.3 72.8 133.0 51.2 136.3 102.1 56.1
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.0 229.0 238.9 248.9 258.8 268.7 278.7 288.6	9.179 9.008 8.704 8.627 8.399 8.247 8.103 7.892 7.682 7.640	9.157 8.986 8.681 8.603 8.375 8.221 8.076 7.865 7.655 7.611	33.768 33.837 33.908 33.913 33.944 33.982 33.982 33.995 34.002	26.129 26.210 26.313 26.330 26.388 26.429 26.464 26.505 26.541 26.549	27.034 27.160 27.310 27.372 27.477 27.564 27.645 27.733 27.815 27.869	26.126 26.206 26.310 26.326 26.385 26.426 26.460 26.501 26.537 26.545	191.4 183.9 174.1 172.8 167.3 163.5 160.4 156.5 153.2 152.6	6.257 6.444 6.623 6.797 6.967 7.132 7.294 7.452 7.607 7.759	90.9 91.0 90.9 90.9 90.8 90.8 90.8	1489.0 1488.6 1487.8 1487.0 1486.6 1486.2 1485.0 1485.0	713.9 777.0 841.9 908.6 977.0 1047.1 1118.7 1192.0 1266.8 1343.1	136.2 56.0 29.3 13.7 60.8 40.9 69.6 17.4 15.3 8.3
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.2 348.2 358.1 368.0 378.0 387.9	7.378 7.236 7.149 6.968 6.890 6.730 6.613 6.538 6.387 6.283	7.350 7.206 7.119 6.937 6.858 6.698 6.581 6.505 6.353 6.249	33.993 33.995 34.001 34.002 33.995 34.000 34.006 34.006 34.008	26.577 26.595 26.611 26.640 26.652 26.671 26.688 26.702 26.724 26.741	27.945 28.009 28.071 28.147 28.205 28.271 28.334 28.395 28.463 28.527	26.573 26.591 26.607 26.636 26.648 26.667 26.683 26.698 26.719 26.736	149.8 148.2 146.9 144.1 143.1 141.3 139.8 139.5 136.5	7.911 8.059 8.207 8.353 8.496 8.638 8.778 8.918 9.056 9.191	90.8 90.7 90.6 90.5 90.5 90.4 90.4 90.4	1484.1 1483.7 1483.5 1483.0 1482.8 1482.4 1482.1 1481.9 1481.5 1481.3	1420.9 1500.2 1581.0 1663.2 1746.9 1831.9 1918.4 2006.2 2095.4 2186.0	32.6 10.3 28.4 23.1 19.3 16.1 5.2 13.4 11.0
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.8 407.7 417.7 427.6 437.5 447.4 457.4 467.3 477.2 487.1	6.160 6.053 6.008 5.920 5.902 5.816 5.686 5.587 5.495 5.432	6.125 6.017 5.972 5.883 5.864 5.778 5.648 5.548 5.455 5.392	34.020 34.026 34.026 34.034 34.058 34.063 34.071 34.072 34.081	26.763 26.787 26.787 26.804 26.819 26.856 26.856 26.874 26.887	28.595 28.660 28.712 28.776 28.837 28.900 28.968 29.033 29.033 29.153	26.758 26.777 26.782 26.800 26.814 26.831 26.852 26.870 26.882 26.896	132.9 131.2 130.8 129.1 127.9 126.3 124.4 122.7 121.6 120.3	9.325 9.457 9.588 9.718 9.847 9.973 10.099 10.222 10.344 10.465	90.4 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1480.9 1480.7 1480.5 1480.6 1480.4 1480.1 1479.8 1479.6	2277.9 2371.1 2465.6 2561.4 2658.5 2756.8 2856.4 2957.2 3059.2 3162.4	30.3 31.2 11.0 8.6 21.2 15.4 9.8 18.3 11.8
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 507.0 516.9 526.8 536.7 546.6 556.5 566.5 576.4 586.3	5.392 5.307 5.217 5.180 5.175 5.146 5.042 5.060 4.991 4.931	5.351 5.266 5.175 5.138 5.131 5.102 4.997 5.015 4.945 4.884	34.089 34.095 34.109 34.125 34.138 34.158 34.155 34.175 34.182 34.182	26.912 26.927 26.949 26.966 26.977 26.997 27.006 27.020 27.033 27.040	29.210 29.271 29.340 29.460 29.526 29.582 29.642 29.702 29.756	26.907 26.922 26.944 26.961 26.972 26.992 27.000 27.014 27.028 27.035	119.3 117.9 115.9 114.4 113.4 111.7 110.8 109.6 108.3 107.7	10.585 10.704 10.820 10.936 11.049 11.162 11.273 11.383 11.492 11.600	90.6 90.6 90.6 90.6 90.7 90.6 90.7 90.6 90.7	1479.6 1479.4 1479.2 1479.2 1479.4 1479.5 1479.5 1479.2	3266.9 3372.4 3479.2 3587.1 3696.1 3806.2 3917.4 4029.8 4143.2 4257.6	7.7 27.3 20.0 15.6 14.7 17.1 20.6 19.4 14.7 2.7
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.8 655.7 665.6 675.5	4.933 4.842 4.821 4.798 4.768 4.754 4.730 4.725 4.698 4.702	4.885 4.794 4.772 4.749 4.718 4.678 4.678 4.672 4.644 4.647	34.199 34.208 34.223 34.225 34.229 34.239 34.251 34.261 34.273 34.285	27.053 27.071 27.085 27.089 27.096 27.105 27.118 27.127 27.139 27.148	29.814 29.878 29.939 29.989 30.042 30.097 30.156 30.210 30.269 30.324	27.048 27.065 27.079 27.083 27.090 27.100 27.112 27.121 27.121 27.133 27.142	103.4 102.8 102.0 100.9 100.2 99.0	11.707 11.813 11.918 12.021 12.124 12.226 12.328 12.428 12.528 12.528	90.6 90.7 90.6 90.7 90.7 90.6 90.7 90.6 90.6	1479.5 1479.3 1479.4 1479.4 1479.5 1479.6 1479.7 1479.8 1479.9 1480.1	4373.2 4489.7 4607.4 4726.0 4845.6 4966.3 5088.0 5210.6 5334.3 5458.9	10.3 3.9 23.8 5.1 9.5 8.6 5.4 9.5 8.9
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5 784.4	4.727 4.667 4.547 4.585 4.569 4.563 4.525 4.479 4.460 4.445	4.672 4.612 4.590 4.528 4.512 4.505 4.466 4.420 4.400 4.384	34.308 34.317 34.324 34.339 34.342 34.345 34.350 34.357 34.370 34.377	27.164 27.177 27.186 27.205 27.209 27.212 27.220 27.231 27.243 27.250	30.384 30.444 30.499 30.565 30.614 30.663 30.718 30.775 30.833 30.887	27.158 27.171 27.180 27.198 27.202 27.205 27.213 27.224 27.236 27.244	95.8 95.0 93.3 93.0 92.8 92.0 91.1 90.0	12.724 12.821 12.916 13.010 13.104 13.196 13.289 13.380 13.471 13.561	90.7 90.6 90.6 90.6 90.6 90.6 90.6 90.7	1480.4 1480.3 1480.4 1480.3 1480.5 1480.6 1480.6 1480.6 1480.7 1480.8	5584.5 5711.0 5838.5 5966.9 6096.3 6226.5 6357.7 6489.7 6622.7 6756.5	9.8 2 25.0 8.9 4.2 6.3 12.7 11.0 9.8 7.5
800.0 810.0 820.0 830.0 840.0 850.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5	4.402 4.377 4.345 4.299 4.276 4.256 4.248 4.213 4.196 4.163	4.340 4.314 4.281 4.236 4.212 4.191 4.182 4.146 4.129 4.095	34.383 34.388 34.403 34.410 34.415 34.418 34.423 34.427 34.432	27.260 27.267 27.278 27.286 27.295 27.301 27.304 27.312 27.317 27.325	30.942 30.996 31.053 31.108 31.163 31.215 31.264 31.317 31.369 31.423	27.253 27.260 27.271 27.280 27.288 27.294 27.297 27.305 27.310 27.318	87.9 86.9 86.1 85.4 84.9 84.6 84.0	14.336	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1480.8 1480.9 1480.9 1480.9 1481.0 1481.1 1481.2 1481.2 1481.3	6891.3 7026.9 7163.3 7300.6 7438.8 7577.8 7717.6 7858.2 7999.7 8142.0	7.5 12.5 7.5 8.4 22.1 1.4 9.0 3.4 9.9 9.3
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 923.0 942.8 952.7 962.6 972.5 982.4	4.119 4.080 4.036 4.013 3.986 3.953 3.953 3.888 3.857 3.826	4.051 4.011 3.967 3.943 3.916 3.882 3.861 3.816 3.784 3.752	34.435 34.439 34.444 34.451 34.453 34.455 34.458 34.461 34.465 34.465	27.332 27.339 27.347 27.355 27.359 27.365 27.369 27.377 27.382 27.386	31.690 31.741 31.792 31.846 31.898	27.325 27.331 27.340 27.348 27.352 27.357 27.362 27.369 27.375 27.379	81.6 80.7 80.1 79.7 79.2 78.8 78.1 77.6	14.583 14.664 14.745 14.825 14.904 14.983 15.062	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1481.3 1481.3 1481.3 1481.4 1481.5 1481.6 1481.6 1481.6	8285.1 8429.0 8573.7 8719.3 8865.5 9012.6 9160.5 9309.1 9458.5 9608.6	7.8 9.0 9.0 4.9 4.0 7.8 4.3 2.8 5.2

Station	69	Latitude	31. 14.4	3'N	Longitu	de 127°	01.10'W	30	Aug 1989	GMT 08	:58	Bottom	
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0 1120.0 1140.0 1160.0	992.3 1012.0 1031.8 1051.6 1071.4 11091.2 1110.9 1130.7 1150.5 1170.2	3.796 3.761 3.709 3.677 3.5619 3.564 3.522 3.509 3.451 3.414	3.722 3.686 3.632 3.598 3.540 3.483 3.440 3.425 3.366 3.329	34.469 34.476 34.483 34.486 34.495 34.503 34.507 34.518	27.392 27.402 27.413 27.418 27.431 27.438 27.447 27.451 27.462 27.470	32.001 32.102 32.205 32.303 32.408 32.508 32.610 32.705 32.809 32.909	27.385 27.394 27.405 27.410 27.423 27.430 27.439 27.443 27.454 27.462	76.7 75.9 75.0 74.5 73.4 72.7 71.9 71.6 70.6 70.0	15.294 15.446 15.597 15.746 15.894 16.040 16.185 16.328 16.471 16.611	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1481.7 1481.9 1482.0 1482.2 1482.3 1482.4 1482.5 1482.8 1482.9 1483.1	9759.5 10063.6 10370.6 10680.5 10993.4 11309.1 11627.7 11949.0 12273.2 12600.2	5.8 5.5 4.0 13.1 .5 4.1 2.0 .3 5.0 2.1
1200.0 1220.0 1240.0 1260.0 1300.0 1300.0 1340.0 1360.0 1380.0	1190.0 1209.8 1229.5 1249.3 1269.0 1288.8 1308.5 1328.3 1348.0	3.395 3.331 3.285 3.239 3.194 3.159 3.110 3.057 3.026 2.997	3.307 3.242 3.195 3.148 3.102 3.066 3.016 2.962 2.930 2.899	34.519 34.525 34.528 34.534 34.536 34.540 34.544 34.548 34.551 34.553	27.473 27.483 27.490 27.499 27.506 27.512 27.519 27.528 27.534 27.538	33.003 33.107 33.206 33.307 33.406 33.504 33.604 33.706 33.804 33.899	27.465 27.475 27.482 27.490 27.503 27.510 27.519 27.525 27.529	69.8 68.1 67.3 66.2 65.5 64.2 63.8	16.751 16.890 17.027 17.162 17.296 17.429 17.561 17.691 17.820 17.948	90.6 90.6 90.6 90.6 90.5 90.7 90.6 90.6	1483.3 1483.4 1483.5 1483.7 1483.8 1484.0 1484.1 1484.3 1484.5 1484.7	12929.8 13262.3 13597.3 13935.1 14275.5 14618.4 14964.0 15312.1 15662.7 16015.9	1.2 5.9 3.6 3.3 2.1 3.6 6.2
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.5 1407.3 1427.0 1446.7 1466.5 1486.2 1505.9 1525.7 1545.4 1565.1	2.952 2.917 2.871 2.834 2.795 2.764 2.731 2.699 2.677 2.645	2.853 2.816 2.769 2.731 2.691 2.659 2.625 2.591 2.567 2.534	34.557 34.561 34.563 34.566 34.570 34.572 34.576 34.578 34.580 34.584	27.545 27.551 27.557 27.563 27.570 27.574 27.580 27.585 27.589 27.589	33.999 34.098 34.196 34.294 34.393 34.489 34.587 34.684 34.779 34.877	27.536 27.542 27.548 27.554 27.561 27.565 27.570 27.576 27.579 27.585	63.1 62.5 62.0 61.4 60.8 60.4 59.9 59.4 59.1 58.6	18.075 18.201 18.325 18.448 18.571 18.692 18.812 18.932 19.050 19.168	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1484.8 1485.0 1485.3 1485.5 1485.7 1485.9 1486.1 1486.3 1486.5	16371.5 16729.5 17090.1 17453.0 17818.3 18185.9 18556.0 18928.3 19302.9 19679.9	4.2 4.2 3.1 4.0 2.2 7
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.6 1624.3 1644.0 1663.7 1683.4 1703.2 1722.9 1742.6 1762.3	2.614 2.573 2.550 2.517 2.492 2.487 2.462 2.415 2.382 2.363	2.502 2.460 2.435 2.402 2.375 2.368 2.342 2.294 2.260 2.240	34.586 34.589 34.591 34.594 34.596 34.597 34.601 34.604 34.607 34.608	27.598 27.604 27.608 27.614 27.618 27.619 27.624 27.631 27.636 27.639	34.973 35.071 35.167 35.264 35.360 35.451 35.548 35.647 35.744 35.838	27.589 27.595 27.598 27.604 27.608 27.614 27.621 27.626 27.628	58.2 57.6 57.3 56.8 56.4 55.9 55.2 54.7 54.5	19.285 19.401 19.516 19.630 19.743 19.856 19.968 20.079 20.189 20.298	90.6 90.6 90.6 90.5 90.5 90.6 90.6 90.6	1486.7 1486.9 1487.1 1487.3 1487.5 1487.9 1488.1 1488.2 1488.4 1488.7	20059.1 20440.6 20824.3 21210.3 21598.4 21988.8 22381.3 22776.0 23172.8 23571.7	1.7 2.3 3.2 .5 1.7 1.8 7.3 5.6 1.5
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1782.0 1801.7 1821.4 1841.1 1860.8 1880.5 1900.2 1919.9 1939.6 1959.3	2.331 2.320 2.297 2.269 2.252 2.226 2.200 2.178 2.158 2.141	2.207 2.194 2.169 2.140 2.122 2.094 2.066 2.044 2.023 2.004	34.612 34.613 34.615 34.617 34.618 34.622 34.623 34.625 34.625 34.625	27.644 27.646 27.650 27.654 27.656 27.665 27.665 27.668 27.670	35.936 36.028 36.124 36.219 36.313 36.409 36.504 36.599 36.693 36.787	27.634 27.635 27.639 27.643 27.645 27.650 27.657 27.660 27.663	53.9 53.8 53.5 53.1 52.9 52.4 52.0 51.7 51.5	20.406 20.514 20.622 20.728 20.834 20.939 21.043 21.147 21.250 21.353	90.5 90.5 90.5 90.6 90.5 90.5 90.5 90.5	1488.9 1489.2 1489.4 1489.6 1489.9 1490.1 1490.3 1490.6 1490.8	23972.8 24375.9 24781.1 25188.4 25597.7 26009.1 26422.5 26837.9 27255.3 27674.7	4.2 1.2 6.5 1.9 2.5 1.0 .8
2000.0 2050.0 2100.0 2150.0 2200.0 2300.0 2350.0 2400.0 2450.0	1978.9 2028.1 2077.3 2126.5 2175.7 2224.9 2274.0 2323.1 2372.3 2421.4	2.130 2.093 2.048 2.022 1.974 1.942 1.917 1.885 1.850 1.832	1.992 1.951 1.902 1.872 1.821 1.785 1.756 1.750 1.681 1.658	34.630 34.633 34.637 34.640 34.644 34.645 34.647 34.650 34.653	27.676 27.682 27.688 27.693 27.700 27.704 27.708 27.713 27.718 27.720	36.879 37.112 37.346 37.577 37.811 38.042 38.271 38.502 38.732 38.960	27.665 27.671 27.677 27.681 27.688 27.696 27.700 27.705 27.708	51.1 50.6 50.0 49.6 49.0 48.6 48.4 47.9 47.5 47.3	21.455 21.710 21.961 22.210 22.456 22.701 22.943 23.184 23.423 23.660	90.6 90.6 90.6 90.5 90.5 90.6 90.6 90.6	1491.4 1492.1 1492.7 1493.4 1494.8 1494.8 1495.5 1496.2 1496.9	28096.0 29158.1 30232.3 31318.5 32416.7 33526.7 34648.4 35781.7 36926.6 38082.8	6 3 2.4 1.8 -1.0 4.3 -8
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2900.0	2470.5 2519.6 2568.7 2617.7 2666.8 2715.8 2764.9 2813.9 2862.9 2911.9	1.806 1.786 1.758 1.730 1.694 1.672 1.645 1.628 1.615	1.629 1.605 1.573 1.540 1.501 1.475 1.443 1.422 1.405	34.656 34.658 34.660 34.661 34.664 34.667 34.668 34.669 34.671 34.672	27.724 27.728 27.732 27.736 27.741 27.744 27.748 27.751 27.753 27.756	39.188 39.416 39.645 39.873 40.103 40.331 40.558 40.784 41.009 41.234	27.711 27.714 27.718 27.722 27.726 27.730 27.733 27.736 27.738 27.740	47.1 46.8 46.5 46.2 45.7 45.4 45.0 44.9 44.7	23.896 24.131 24.365 24.596 24.826 25.053 25.280 25.504 25.728 25.728	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1498.4 1499.2 1499.9 1500.6 1501.3 1502.1 1502.8 1503.6 1504.4 1505.1	39250.4 40429.3 41619.4 42820.7 44033.0 45256.2 46490.3 47735.1 48990.7 50256.9	.3 .6 1.0 .4 .8 3.2 3 2.1
3000.0 3050.0 3100.0 3112.0	2960.9 3009.9 3058.9 3070.6	1.595 1.591 1.589 1.587	1.376 1.367 1.360 1.357	34.673 34.673 34.674 34.675	27.757 27.758 27.759 27.760	41.457 41.679 41.901 41.954	27.741 27.742 27.742 27.743	44.6 44.7 44.7 44.7	26.175 26.398 26.621 26.675	90.5 90.4 90.5 90.4	1506.0 1506.8 1507.6 1507.8	51533.8 52821.3 54119.4 54432.6	1.0 1.1 -1.5 .0

Station	70	Latitude	31° 27.	41'N	Longit	ude 126°	53.05'W	30	Aug 1989	GMT 12	2:12	Bottom	
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m3/s2	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	10.0 20.0 29.9 39.9 49.9 59.8 69.8 79.8	19.235 19.236 19.239 19.240 19.131 18.725 18.531 17.011 14.626 13.589	19.235 19.235 19.235 19.235 19.124 18.716 18.520 16.999 14.615 13.576	33.426 33.426 33.426 33.427 33.412 33.394 33.344 33.231 33.212	23.761 23.760 23.760 23.760 23.797 23.880 23.915 24.245 24.692 24.893	23.761 23.803 23.847 23.890 23.971 24.098 24.177 25.046 25.293	23.761 23.760 23.759 23.759 23.795 23.878 23.913 24.242 24.690 24.891	412.9 413.3 413.7 414.0 410.8 403.2 400.2 369.0 326.4 307.4	.000 .413 .826 1.240 1.654 2.060 2.461 2.853 3.200 3.513	90.0 89.9 90.0 89.9 90.0 90.0 89.8 89.8	1518.2 1518.3 1518.5 1518.7 1518.5 1517.5 1517.1 1512.7 1505.3 1502.1	.0 2.1 8.2 18.5 33.0 51.5 74.0 100.5 130.7 164.2	.0 .4 5 .1 131.1 28.9 53.5 745.3 585.6 141.3
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 159.3 179.3	12.564 12.090 11.614 11.344 10.766 10.312 9.984 9.599 9.210	12.551 12.076 11.599 11.328 11.037 10.748 10.293 9.964 9.579 9.189	33.242 33.262 33.276 33.358 33.495 33.496 33.557 33.642 33.743	25.119 25.226 25.326 25.438 25.520 25.601 25.729 25.831 25.962 26.104	25.566 25.717 25.863 26.021 26.148 26.275 26.449 26.598 26.774 26.963	25.117 25.223 25.323 25.435 25.517 25.597 25.726 25.828 25.958 26.101	285.9 276.0 266.6 256.1 248.6 241.0 229.0 219.3 207.1 193.6	3.810 4.091 4.362 4.624 4.876 5.119 5.356 5.795 5.795	89.4 900.3 900.5 900.7 900.8 900.8 900.8	1498.8 1497.4 1495.9 1495.2 1494.4 1493.6 1492.2 1490.1 1489.0	200.6 240.0 282.1 326.8 374.0 423.8 475.9 586.8 645.5	184.2 85.7 40.3 92.9 50.4 14.7 203.7 88.6 174.9 162.8
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0	199.1 209.1 219.0 229.0 238.9 248.8 258.8 268.7 278.6 288.6	9.087 8.777 8.592 8.457 8.306 8.183 8.051 7.814 7.639 7.527	9.066 8.755 8.569 8.434 8.281 8.158 8.025 7.788 7.612 7.499	33.770 33.855 33.905 33.931 33.960 33.976 33.990 34.001 34.004	26.145 26.260 26.328 26.370 26.415 26.447 26.477 26.521 26.548 26.564	27.050 27.212 27.326 27.413 27.505 27.582 27.659 27.749 27.823 27.885	26.142 26.257 26.325 26.366 26.412 26.474 26.517 26.544 26.560	189.9 179.0 172.7 168.9 164.7 161.8 159.0 155.0 152.5 151.0	6.187 6.370 6.546 6.717 6.885 7.048 7.208 7.364 7.518 7.670	90.8 90.8 90.8 90.7 90.7 90.7 90.7 90.7	1488.7 1487.8 1487.3 1487.0 1486.6 1486.4 1486.0 1485.3 1484.8 1484.5	706.0 768.4 832.6 898.5 966.1 1035.3 1106.1 1178.5 1252.4 1327.9	113.1 71.1 65.8 38.9 89.8 33.3 16.6 8.9 49.6 20.3
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.2 358.1 368.0 377.9 387.9	7.327 7.246 7.044 6.916 6.761 6.621 6.543 6.456 6.305 6.265	7.298 7.216 7.014 6.886 6.730 6.589 6.510 6.423 6.271 6.231	34.008 34.014 34.009 34.001 34.007 34.015 34.028 34.025 34.030	26.596 26.612 26.637 26.648 26.674 26.709 26.731 26.748 26.757	27.964 28.026 28.097 28.155 28.228 28.296 28.355 28.424 28.487 28.543	26.592 26.608 26.633 26.644 26.670 26.691 26.704 26.726 26.743 26.752	148.0 146.6 144.3 143.3 140.9 138.9 137.8 135.8 134.2	7.819 7.966 8.112 8.255 8.397 8.537 8.675 8.947 9.080	90.7 90.8 90.7 90.8 90.7 90.7 90.7 90.7	1483.9 1483.8 1483.1 1482.8 1482.3 1482.0 1481.8 1481.6 1481.2 1481.2	1404.8 1483.2 1563.0 1644.3 1726.9 1811.0 1896.5 1983.3 2071.4 2160.9	13.5 23.8 22.6 30.4 25.1 16.9 23.1 16.0 21.3
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.3 477.2 487.1	6.053 5.942 5.788 5.693 5.568 5.482 5.477 5.352 5.266	6.018 5.907 5.753 5.657 5.532 5.449 5.313 5.227 5.091	34.028 34.033 34.039 34.044 34.051 34.057 34.074 34.077 34.072 34.076	26.783 26.800 26.824 26.840 26.861 26.876 26.889 26.907 26.913 26.932	28.616 28.681 28.752 28.815 28.882 28.944 29.003 29.068 29.121 29.187	26.778 26.796 26.820 26.836 26.856 26.871 26.885 26.903 26.908 26.928	130.9 129.3 127.0 125.5 123.6 122.2 121.0 119.3 118.8 117.0	9.213 9.343 9.471 9.597 9.722 9.845 9.966 10.086 10.205 10.323	90.6 90.7 90.6 90.6 90.6 90.6 90.6 90.6	1480.5 1480.3 1479.8 1479.6 1479.3 1479.1 1479.2 1478.9 1478.7 1478.3	2251.6 2343.7 2437.1 2531.7 2627.5 2724.6 2822.9 2922.4 3023.0 3124.8	26.5 27.4 45.2 4.2 27.6 25.2 6.2 19.1 29.3 30.2
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.8 526.8 536.7 546.6 556.5 566.4 576.3	5.070 4.989 4.924 4.852 4.811 4.798 4.734 4.703 4.626	5.031 4.949 4.883 4.811 4.769 4.755 4.659 4.659 4.659	34.085 34.097 34.113 34.124 34.136 34.138 34.150 34.160 34.167 34.177	26.947 26.965 26.985 27.003 27.016 27.019 27.037 27.037 27.048 27.056 27.070	29.248 29.313 29.380 29.444 29.504 29.554 29.618 29.675 29.729 29.789	26.942 26.960 26.980 26.998 27.011 27.015 27.032 27.043 27.051 27.065	115.7 114.0 112.1 110.5 109.2 109.0 107.4 106.5 105.7	10.439 10.554 10.667 10.778 10.889 10.998 11.106 11.213 11.319 11.424	90.7 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1478.2 1478.1 1478.0 1477.9 1477.9 1478.0 1477.9 1478.0 1478.0	3227.8 3331.9 3437.1 3543.5 3650.9 3759.4 3869.0 3979.6 4091.3 4204.1	14.9 20.2 29.6 6.1 15.5 10.5 14.6 8.2 20.8 10.0
600.0 610.0 620.0 630.0 640.0 650.0 660.0 680.0	596.2 606.1 616.0 625.9 635.8 645.7 655.5 665.5 675.5	4.599 4.564 4.532 4.503 4.465 4.447 4.422 4.4383	4.552 4.517 4.499 4.484 4.454 4.397 4.371 4.348 4.330	34.184 34.206 34.218 34.225 34.234 34.247 34.260 34.264 34.275	27.079 27.092 27.102 27.113 27.122 27.133 27.145 27.145 27.165 27.175	29.845 29.904 29.960 30.017 30.073 30.129 30.188 30.248 30.299 30.356	27.074 27.087 27.097 27.108 27.117 27.127 27.140 27.153 27.159 27.170	103.7 102.6 101.7 100.7 99.9 99.0 97.9 96.6 96.2 95.3	11.528 11.631 11.733 11.834 11.935 12.034 12.132 12.230 12.326 12.422	90.7 90.6 90.6 90.7 90.6 90.6 90.6 90.6	1478.1 1478.2 1478.3 1478.4 1478.4 1478.5 1478.6 1478.7 1478.8	4317.8 4432.6 4548.4 4665.2 4783.0 4901.8 5021.5 5142.2 5263.9 5386.5	10.5 11.7 7.6 8.8 7.3 7.3 10.9 12.0 2.4 4.7
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5	4.354 4.329 4.291 4.274 4.252 4.219 4.200 4.152 4.115 4.090	4.301 4.275 4.237 4.219 4.196 4.162 4.142 4.094 4.056 4.031	34.277 34.300 34.307 34.316 34.327 34.330 34.343 34.354 34.360	27.180 27.190 27.205 27.212 27.222 27.233 27.239 27.253 27.267 27.274	30.407 30.464 30.525 30.578 30.633 30.633 30.743 30.805 30.864 30.917	27.174 27.185 27.199 27.206 27.216 27.228 27.233 27.248 27.261 27.268	94.9 93.9 92.6 92.0 91.2 90.1 88.3 87.1 86.5	12.517 12.611 12.705 12.797 12.888 12.979 13.069 13.158 13.245 13.332	90.6 90.6 90.6 90.5 90.6 90.6 90.6 90.6	1478.8 1478.9 1478.9 1479.0 1479.1 1479.1 1479.2 1479.2 1479.2	5510.0 5634.5 5759.9 5886.2 6013.4 6141.5 6270.5 6400.3 6531.1 6662.7	8.8 15.6 12.6 10.9 15.6 11.8 17.9 4.2
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.037 4.022 3.995 3.995 3.985 3.959 3.947 3.923 3.905 3.880	3.978 3.962 3.934 3.928 3.922 3.896 3.883 3.8859 3.840 3.814	34.379 34.384 34.392 34.399 34.406 34.411 34.415 34.421 34.428	27.289 27.296 27.303 27.310 27.316 27.324 27.330 27.336 27.342 27.350	30.979 31.032 31.086 31.138 31.190 31.245 31.296 31.348 31.401 31.455	27.283 27.290 27.297 27.304 27.318 27.318 27.323 27.329 27.335 27.344	85.0 84.4 83.8 83.3 82.8 82.0 81.6 81.1 80.5 79.8	13.418 13.503 13.587 13.670 13.753 13.836 13.918 13.999 14.080 14.160	90.6 90.6 90.7 90.6 90.6 90.5 90.5	1479.3 1479.4 1479.4 1479.6 1479.7 1479.8 1479.9 1480.0 1480.1	6795.1 6928.4 7062.5 7197.4 7333.1 7469.7 7607.0 7745.2 7884.2 8023.9	3.6 13.0 5.4 7.7 9.5 8.9 3.9 6.6 6.9
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.5 972.4 982.3	3.872 3.875 3.861 3.824 3.802 3.785 3.752 3.721 3.720 3.682	3.805 3.807 3.793 3.755 3.732 3.715 3.681 3.650 3.648 3.610	34.432 34.440 34.448 34.452 34.457 34.461 34.465 34.474	27.354 27.361 27.368 27.375 27.379 27.383 27.390 27.396 27.403 27.407	31.504 31.556 31.610 31.664 31.714 31.764 31.817 31.869 31.923 31.973	27.347 27.354 27.361 27.368 27.372 27.376 27.383 27.389 27.396 27.400	79.6 79.0 78.4 77.7 77.4 77.1 76.4 75.9 75.3 74.9	14.240 14.319 14.398 14.476 14.553 14.630 14.707 14.783 14.859 14.934	90.6 90.6 90.6 90.6 90.5 90.5 90.5	1480.3 1480.5 1480.6 1480.6 1480.8 1480.8 1480.9 1481.0	8164.4 8305.7 8447.8 8590.7 8734.3 8878.6 9023.8 9169.6 9316.2 9463.6	13.3 5.1 8.6 1.6 4.0 7.8 10.4 7.2 6.9

Station	70	Latitude	31. 27.	41'N	Longitu	ide 126°	53.05'W	30	Aug 1989	GMT 12	2:12	Bottom	
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0 1120.0 1140.0 1160.0	992.2 1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.7 1150.4 1170.2	3.668 3.622 3.566 3.527 3.486 3.442 3.414 3.364 3.335 3.335	3.595 3.547 3.491 3.450 3.408 3.362 3.333 3.282 3.252 3.217	34.480 34.488 34.493 34.501 34.506 34.508 34.514 34.517 34.521	27.413 27.425 27.434 27.441 27.449 27.456 27.461 27.471 27.476 27.483	32.025 32.129 32.231 32.331 32.430 32.530 32.627 32.729 32.826 32.925	27.406 27.427 27.434 27.441 27.449 27.454 27.463 27.468 27.475	74.4 73.4 72.5 71.9 71.3 70.6 70.3 69.4 69.0 68.4	15.009 15.157 15.303 15.447 15.590 15.732 15.873 16.013 16.151 16.288	90.6 90.5 90.5 90.5 90.6 90.6 90.6	1481.1 1481.3 1481.4 1481.6 1481.7 1481.9 1482.1 1482.2 1482.4 1482.6	9611.7 9910.0 10211.3 10515.3 10822.2 11131.9 11444.3 11759.5 12077.4 12398.0	7.5 3.7 2.3 4.6 6.7 8.4 1.4 9 2.0
1200.0 1220.0 1240.0 1260.0 1280.0 1300.0 1320.0 1340.0 1360.0	1189.9 1209.7 1229.5 1249.2 1269.0 1288.7 1308.5 1328.2 1348.0 1367.7	3.274 3.218 3.182 3.147 3.108 3.083 3.053 3.027 2.999 2.966	3.188 3.131 3.093 3.057 3.016 2.990 2.959 2.931 2.902 2.868	34.524 34.529 34.533 34.536 34.539 34.542 34.545 34.550 34.556 34.558	27.488 27.497 27.504 27.509 27.516 27.520 27.525 27.532 27.539 27.544	33.022 33.125 33.223 33.321 33.419 33.515 33.612 33.711 33.810 33.907	27.480 27.489 27.496 27.501 27.507 27.512 27.517 27.524 27.531 27.535	68.0 67.1 66.5 66.1 65.5 64.1 63.5 63.1	16.425 16.560 16.694 16.826 16.958 17.088 17.218 17.347 17.475	90.5 90.5 90.5 90.6 90.6 90.6 90.5	1482.8 1482.9 1483.1 1483.3 1483.5 1483.7 1483.9 1484.1 1484.3 1484.5	12721.2 13047.1 13375.6 13706.8 14040.5 14376.7 14715.5 15056.8 15400.7 15747.0	6.7 2.9 6 1.5 3.0 9.1
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0	1387.5 1407.2 1426.9 1446.7 1466.4 1505.9 1525.6 1545.3 1565.1	2.945 2.911 2.887 2.858 2.832 2.799 2.776 2.744 2.717 2.686	2.846 2.810 2.785 2.755 2.728 2.668 2.636 2.608 2.575	34.562 34.565 34.568 34.571 34.572 34.577 34.577 34.579 34.581	27.549 27.555 27.560 27.565 27.568 27.574 27.577 27.582 27.585 27.590	34.004 34.101 34.198 34.295 34.390 34.488 34.583 34.679 34.774 34.871	27.540 27.546 27.551 27.559 27.565 27.568 27.568 27.572 27.576 27.581	62.7 62.2 61.8 61.4 61.1 60.5 60.3 59.9 59.6 59.1	17.728 17.853 17.977 18.100 18.222 18.344 18.465 18.585 18.705 18.823	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1484.8 1485.0 1485.2 1485.4 1485.8 1486.1 1486.3 1486.5 1486.7	16095.7 16446.9 16800.6 17156.6 17515.0 17875.8 18239.0 18604.5 18972.3	2.5 3.3 1.6 4.2 4.3 3.7 2.0 4.0
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.5 1624.2 1643.9 1663.7 1703.1 1722.8 1742.5 1762.2	2.659 2.621 2.590 2.569 2.538 2.514 2.477 2.444 2.414 2.395	2.547 2.507 2.476 2.453 2.420 2.396 2.357 2.323 2.291 2.272	34.585 34.589 34.591 34.592 34.595 34.600 34.602 34.604 34.605	27.594 27.600 27.605 27.608 27.613 27.616 27.622 27.627 27.631 27.633	34.967 35.065 35.161 35.256 35.352 35.447 35.545 35.642 35.737 35.832	27.585 27.591 27.595 27.598 27.603 27.606 27.612 27.617 27.620 27.623	58.7 58.2 57.7 57.5 57.0 56.8 56.2 55.7 55.3	18.941 19.058 19.174 19.289 19.404 19.517 19.630 19.742 19.853 19.964	90.5 90.5 90.5 90.5 90.5 90.5 90.5	1486.9 1487.1 1487.3 1487.5 1487.7 1488.0 1488.2 1488.3 1488.6 1488.8	19714.8 20089.6 20466.5 20845.7 21227.2 21610.8 21996.7 22384.7 22774.9 23167.2	1.7 3.8 3 6 2.3 3.2 5.0 3.8
1800.0 1820.0 1840.0 1860.0 1980.0 1920.0 1940.0 1960.0 1980.0	1781.9 1801.6 1821.3 1841.0 1860.7 1890.1 1919.8 1939.5 1959.2	2.367 2.339 2.318 2.298 2.273 2.256 2.234 2.209 2.187 2.168	2.242 2.212 2.190 2.169 2.142 2.123 2.100 2.074 2.050 2.031	34.610 34.612 34.614 34.614 34.618 34.619 34.621 34.623 34.623	27.638 27.642 27.645 27.653 27.655 27.659 27.663 27.666 27.669	35.928 36.024 36.118 36.213 36.309 36.402 36.496 36.592 36.687 36.780	27.627 27.632 27.635 27.638 27.642 27.645 27.648 27.652 27.655	54.7 54.2 54.0 53.7 53.3 53.0 52.8 52.4 52.1 51.8	20.073 20.182 20.291 20.398 20.505 20.612 20.718 20.823 20.927 21.031	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.4	1489.0 1489.2 1489.5 1489.7 1490.0 1490.2 1490.5 1490.7 1490.9	23561.7 23958.3 24356.9 24757.7 25160.5 25565.4 25972.4 26381.4 26792.4 27205.4	4.57 8 2.6 3.15 4.0 1.9
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2300.0 2350.0 2400.0 2450.0	1978.9 2028.1 2077.3 2126.4 2175.6 2224.8 2273.9 2323.1 2372.2 2421.3	2.152 2.100 2.059 2.017 1.971 1.929 1.897 1.865 1.843	2.013 1.957 1.913 1.867 1.817 1.772 1.736 1.701 1.674 1.652	34.626 34.631 34.635 34.641 34.645 34.647 34.649 34.651 34.654	27.671 27.679 27.686 27.692 27.698 27.705 27.710 27.714 27.717 27.721	36.874 37.110 37.343 37.577 37.810 38.043 38.273 38.504 38.732 38.961	27.660 27.668 27.674 27.681 27.686 27.693 27.701 27.704 27.708	51.6 50.8 50.3 49.7 49.1 48.5 47.8 47.5	21.135 21.390 21.643 21.893 22.140 22.384 22.625 22.865 23.103 23.340	90.5 90.4 90.5 90.5 90.5 90.5 90.5 90.5	1491.5 1492.1 1492.7 1493.4 1494.7 1495.4 1496.1 1496.9 1497.6	27620.5 28666.8 29725.3 30795.9 31878.5 32972.9 34079.0 35196.6 36325.8 37466.3	1.1 1.4 .0 1.8 5 .7 1.1 2.3
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2900.0 2950.0	2470.4 2519.5 2568.6 2617.6 2666.7 2715.8 2764.8 2813.8 2862.8 2911.8	1.807 1.775 1.751 1.722 1.706 1.677 1.653 1.638 1.629	1.630 1.594 1.566 1.533 1.513 1.480 1.452 1.432 1.432	34.656 34.661 34.663 34.666 34.666 34.668 34.669 34.670 34.672	27.725 27.729 27.733 27.737 27.740 27.743 27.747 27.749 27.751 27.754	39.189 39.418 39.647 39.875 40.101 40.329 40.782 41.006 41.231	27.711 27.716 27.719 27.723 27.725 27.729 27.732 27.734 27.736 27.738	47.0 46.6 46.3 46.0 45.8 45.2 45.1 45.0 44.8	23.576 23.810 24.042 24.273 24.502 24.730 24.957 25.183 25.408 25.632	90.5 90.5 90.5 90.5 90.5 90.5 90.4 90.4	1498.4 1499.1 1499.9 1500.6 1501.4 1502.1 1502.8 1503.6 1504.4 1505.2	38618.1 39781.2 40955.5 42140.9 43337.3 44544.7 45762.9 46991.9 48231.7 49482.2	.3 2 -1.0 1.7 .0 .3 2
3000.0 3050.0 3100.0 3118.0	2960.8 3009.8 3058.8 3076.4	1.595 1.581 1.569 1.565	1.376 1.357 1.340 1.336	34.673 34.674 34.676 34.676	27.757 27.759 27.761 27.762	41.456 41.681 41.904 41.985	27.741 27.743 27.745 27.745	44.6 44.5 44.4 44.4	25.855 26.078 26.300 26.380	90.5 90.4 90.5 90.4	1506.0 1506.8 1507.6 1507.8	50743.4 52015.3 53297.7 53762.0	2.0 3 .0

Station	71	Latitude	31° 40.	89'N	Longit	ude 126°	45.12'W	30	Aug 1989	GMT 1	5:25	Bottom	
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	10.0 19.9 29.9 39.9 49.9 59.8 69.8 79.8	19.236 19.229 19.233 19.222 19.233 18.582 18.409 18.118 15.285 13.266	19.236 19.228 19.229 19.216 19.226 18.573 18.398 18.107 15.272 13.254	33.440 33.441 33.441 33.438 33.440 33.371 33.373 33.372 33.243 33.226	23.771 23.774 23.773 23.774 23.774 23.884 23.929 24.000 24.559 24.969	23.771 23.817 23.860 23.904 23.947 24.102 24.190 24.305 24.912 25.369	23.771 23.773 23.772 23.772 23.882 23.927 23.927 24.556 24.966	411.9 412.0 412.4 412.7 413.1 402.8 398.9 392.4 339.2 300.2	.000 .412 .824 1.237 1.650 2.058 2.458 2.856 3.220 3.537	90.2 90.3 90.3 90.2 90.1 90.1 90.1 90.0	1518.2 1518.3 1518.5 1518.6 1518.8 1517.0 1516.7 1516.0 1507.4 1501.0	.0 2.1 8.2 18.5 32.9 51.4 73.9 100.4 130.7	.0 1.7 -1.3 9.8 73.7 6.6 340.6 412.8 192.2
100.0 110.0 120.0 130.0 140.0 150.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	12.553 12.254 11.841 11.359 11.220 10.915 10.312 10.134 9.753 9.585	12.540 12.240 11.826 11.343 11.202 10.897 10.294 10.114 9.733 9.564	33.234 33.284 33.287 33.360 33.462 33.471 33.548 33.608 33.629 33.673	25.115 25.211 25.292 25.438 25.542 25.604 25.769 25.846 25.926 25.989	25.561 25.702 25.829 26.020 26.170 26.277 26.489 26.612 26.738 26.847	25.113 25.208 25.290 25.435 25.539 25.601 25.766 25.843 25.923 25.985	286.4 277.4 269.9 256.2 246.5 240.8 225.2 218.0 210.5 204.7	3.830 4.113 4.387 4.649 4.899 5.143 5.377 5.599 5.813 6.020	90.0 90.4 90.6 90.8 90.9 90.9 90.9 91.0 91.0	1498.8 1498.0 1496.7 1495.3 1495.1 1494.2 1492.3 1491.9 1490.7 1490.3	201.1 240.6 282.9 327.9 375.4 425.3 477.7 532.2 589.0 647.8	147.3 150.5 127.6 141.3 96.2 63.6 93.9 100.7 59.3 66.6
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 248.8 258.8 268.7 278.6 288.6	9.282 9.374 9.204 8.989 8.684 8.350 8.193 8.012 7.873 7.714	9.260 9.351 9.180 8.964 8.659 8.324 8.167 7.985 7.845 7.686	33.735 33.827 33.864 33.904 33.968 33.973 33.981 33.988 33.992	26.086 26.143 26.200 26.267 26.347 26.415 26.443 26.476 26.502 26.528	26.990 27.092 27.195 27.307 27.435 27.550 27.624 27.703 27.775 27.848	26.083 26.140 26.196 26.263 26.344 26.411 26.439 26.472 26.498 26.524	195.5 190.3 185.1 179.0 171.3 164.9 162.4 159.4 157.0 154.5	6.220 6.412 6.599 6.781 6.956 7.125 7.289 7.450 7.608 7.763	90.9 91.0 90.9 90.8 90.8 90.6 90.3 89.9	1489.4 1490.0 1489.6 1489.0 1488.1 1486.6 1486.0 1485.7 1485.2	708.7 771.5 836.1 902.6 970.9 1040.8 1112.4 1185.6 1260.4 1336.8	89.7 43.5 66.9 62.7 32.5 23.7 40.0 26.5 17.7 24.7
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.2 358.1 368.0 377.9 387.9	7.591 7.425 7.309 7.036 6.994 6.884 6.772 6.661 6.500 6.262	7.562 7.396 7.279 7.005 6.962 6.851 6.739 6.627 6.465 6.228	33.993 33.995 34.006 34.008 34.029 34.029 34.037 34.044 34.046 34.033	26.547 26.572 26.597 26.637 26.643 26.674 26.695 26.716 26.739 26.760	27.913 27.985 28.056 28.143 28.195 28.273 28.340 28.408 28.478 28.546	26.543 26.569 26.593 26.633 26.638 26.670 26.712 26.735 26.735	152.9 150.5 148.2 144.5 141.1 139.2 137.3 135.1 133.1	7.917 8.069 8.218 8.365 8.509 8.652 8.792 8.930 9.067 9.201	88.8 88.1 87.2 86.2 85.2 84.2 83.4 82.6 81.7 81.3	1484.9 1484.4 1484.2 1483.3 1483.3 1483.0 1482.7 1482.5 1482.0 1481.2	1414.6 1494.0 1574.9 1657.2 1741.0 1826.2 1912.8 2000.8 2090.1 2180.8	29.4 30.5 24.4 35.2 17.6 26.4 12.3 30.4 41.2
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.3 477.2 487.1	6.084 5.949 5.833 5.745 5.645 5.523 5.523 5.328 5.172	6.049 5.914 5.797 5.709 5.608 5.586 5.485 5.310 5.239 5.133	34.027 34.022 34.025 34.037 34.052 34.062 34.066 34.077 34.083	26.778 26.791 26.808 26.822 26.840 26.854 26.875 26.899 26.916 26.933	28.611 28.672 28.735 28.796 28.861 28.921 28.989 29.060 29.124 29.188	26.774 26.787 26.803 26.818 26.836 26.850 26.871 26.895 26.911 26.928	131.4 130.2 128.6 127.2 125.6 124.4 122.4 120.1 118.6 117.0	9.333 9.464 9.593 9.721 9.847 9.973 10.096 10.217 10.337	80.9 80.8 80.9 81.1 81.3 81.4 81.5 81.8	1480.6 1480.3 1480.0 1479.8 1479.5 1479.6 1479.4 1478.9 1478.8 1478.5	2272.7 2366.0 2460.6 2556.4 2653.5 2751.8 2851.4 2952.1 3054.1 3157.2	23.9 15.7 14.8 18.8 15.6 22.6 9.7 8.5 22.0 13.5
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.8 526.8 536.7 546.6 556.5 566.4 576.3 586.3	5.113 5.082 5.021 4.982 4.989 4.882 4.784 4.827 4.815	5.073 5.041 4.979 4.940 4.866 4.839 4.740 4.782 4.769 4.643	34.087 34.089 34.102 34.120 34.127 34.144 34.155 34.169 34.180 34.179	26.944 26.948 26.966 26.985 26.998 27.015 27.035 27.042 27.051 27.065	29.244 29.296 29.360 29.425 29.548 29.615 29.722 29.784	26.939 26.944 26.961 26.980 26.993 27.010 27.030 27.037 27.046 27.060	116.0 115.6 114.0 112.3 111.1 109.6 107.7 107.2 106.4 105.0	10.571 10.687 10.802 10.915 11.027 11.137 11.246 11.354 11.460 11.566	82.4 82.7 83.1 83.5 84.0 84.5 85.0 85.3 86.0 86.5	1478.4 1478.5 1478.4 1478.3 1478.4 1478.1 1478.5 1478.5 1478.6	3261.5 3366.9 3473.5 3581.2 3690.0 3799.8 3910.8 4022.8 4135.9 4250.1	11.4 21.1 6.8 12.6 19.3 19.3 15.5 10.9 16.1 13.8
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.6 665.5 675.5 685.3	4.643 4.616 4.551 4.528 4.558 4.513 4.469 4.519 4.673	4.597 4.569 4.504 4.480 4.509 4.476 4.462 4.417 4.467 4.619	34.187 34.196 34.206 34.218 34.235 34.248 34.259 34.271 34.290 34.335	27.076 27.087 27.101 27.114 27.124 27.138 27.148 27.162 27.172 27.191	29.841 29.898 29.959 30.018 30.073 30.133 30.189 30.250 30.305 30.367	27.071 27.081 27.096 27.108 27.118 27.132 27.142 27.157 27.166 27.185	104.0 103.1 101.7 100.6 99.8 98.6 97.7 96.4 95.7 94.3	11.671 11.774 11.877 11.978 12.078 12.177 12.276 12.373 12.469 12.564	87.9 88.3 88.8 89.2 89.6 89.9 90.3 90.4 90.5 90.5	1478.3 1478.3 1478.2 1478.3 1478.6 1478.7 1478.8 1478.8 1479.2 1480.1	4365.2 4481.4 4598.7 4716.9 4836.1 4956.3 5077.4 5192.6 5446.6	13.5 6.5 22.9 20.5 7.7 10.6 14.4 18.5
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.8 754.7 764.6 774.5 784.4	4.616 4.593 4.535 4.521 4.481 4.478 4.448 4.423 4.381 4.350	4.562 4.537 4.479 4.465 4.420 4.389 4.364 4.321 4.290	34.337 34.342 34.349 34.351 34.360 34.376 34.381 34.383 34.394 34.397	27.199 27.205 27.217 27.221 27.232 27.246 27.252 27.257 27.270 27.277	30.421 30.474 30.532 30.582 30.639 30.639 30.752 30.802 30.862 30.915	27.193 27.200 27.211 27.215 27.226 27.239 27.246 27.251 27.264 27.270	93.5 93.0 91.9 91.7 90.6 89.5 88.5 87.3 86.7	12.658 12.751 12.843 12.935 13.026 13.116 13.205 13.294 13.382 13.469	90.5 90.5 90.5 90.5 90.6 90.6 90.6	1480.0 1480.1 1480.1 1480.1 1480.3 1480.3 1480.4 1480.4	5571.5 5697.4 5824.2 5951.8 6080.4 6209.9 6340.2 6471.4 6603.5 6736.5	12.4 18.3 3.3 6.9 6.3 8.7 6.3 5.7
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.295 4.298 4.281 4.246 4.239 4.186 4.169 4.140 4.132 4.125	4.234 4.236 4.219 4.183 4.175 4.122 4.104 4.074 4.065 4.058	34.414 34.421 34.424 34.431 34.435 34.436 34.441 34.443	27.295 27.301 27.305 27.315 27.317 27.324 27.327 27.334 27.336 27.338	30.980 31.031 31.082 31.137 31.185 31.239 31.288 31.341 31.390 31.437	27.289 27.294 27.299 27.308 27.310 27.317 27.320 27.327 27.330 27.331	85.0 84.6 84.2 83.4 83.2 82.6 82.4 81.8 81.5	13.555 13.640 13.724 13.808 13.891 13.974 14.057 14.139 14.220 14.302	90.5 90.6 90.5 90.6 90.6 90.6 90.6 90.7	1480.4 1480.6 1480.7 1480.8 1480.8 1480.9 1480.9 1481.1 1481.2	6870.2 7004.9 7140.3 7276.6 7413.7 7551.6 7690.4 7829.9 7970.2 8111.4	8.9 4.5 1.6 6.9 11.3 4.9 1.9 4.0 5.2
900.0 910.0 920.0 930.0 950.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.5 972.4 982.3	4.098 4.078 4.048 4.042 4.005 3.994 3.976 3.958 3.939	4.030 4.009 3.978 3.972 3.934 3.922 3.904 3.885 3.865 3.836	34.452 34.453 34.457 34.459 34.465 34.467 34.471 34.471 34.476 34.479	27.347 27.351 27.359 27.359 27.368 27.370 27.375 27.380 27.383 27.388	31.492 31.542 31.594 31.697 31.746 31.797 31.847 31.897 31.948	27.340 27.343 27.349 27.351 27.360 27.363 27.368 27.372 27.376 27.376	80.7 80.4 79.9 79.8 79.0 78.8 78.4 78.0 77.7	14.383 14.464 14.544 14.624 14.703 14.782 14.860 14.939 15.016 15.094	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1481.3 1481.3 1481.4 1481.5 1481.6 1481.7 1481.8 1481.9 1481.9	8253.3 8396.0 8539.6 8683.9 8828.9 8974.8 9121.4 9268.8 9417.0 9565.9	2.2 2.3 13.1 2.8 4.9 6.1 7.0 3.2 4.9

Station	71	Latitude	31° 40.	89'N	Longit	ude 126°	45.12'W	30	Aug 1989	GMT 1	5:25	Bottom	4325 m
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-θ kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	5V m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0 1120.0 1140.0 1160.0	992.2 1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.7 1150.4 1170.2	3.880 3.800 3.783 3.730 3.703 3.639 3.596 3.545 3.545	3.805 3.724 3.706 3.652 3.653 3.558 3.514 3.425 3.396	34.480 34.487 34.488 34.497 34.506 34.509 34.514 34.520 34.522	27.392 27.406 27.408 27.421 27.426 27.438 27.444 27.454 27.462 27.467	31.999 32.105 32.199 32.304 32.401 32.506 32.605 32.707 32.807 32.903	27.385 27.398 27.400 27.413 27.418 27.436 27.436 27.446 27.454	76.9 75.5 74.4 74.0 73.0 72.4 71.5 70.8	15.171 15.323 15.474 15.624 15.773 15.920 16.065 16.209 16.351 16.492	90.6 90.7 90.6 90.6 90.6 90.6 90.6 90.6	1482.0 1482.3 1482.4 1482.6 1482.7 1482.9 1483.0 1483.2 1483.4	9715.6 10017.2 10321.8 10629.3 10939.7 11253.0 11569.2 11888.2 12210.0	13.7 1 1.1 4.4 7.3 10.8 1.5 2.1 6.2
1200.0 1220.0 1240.0 1260.0 1380.0 1320.0 1340.0 1360.0	1189.9 1209.7 1229.5 1249.2 1269.0 1288.7 1308.5 1328.2 1348.0 1367.7	3.431 3.380 3.331 3.301 3.256 3.197 3.153 3.107 3.063 3.027	3.343 3.292 3.241 3.210 3.163 3.103 3.058 3.011 2.966 2.929	34.527 34.530 34.535 34.535 34.539 34.546 34.546 34.552 34.552	27.475 27.483 27.490 27.495 27.502 27.511 27.517 27.524 27.531 27.537	33.004 33.104 33.204 33.301 33.400 33.502 33.601 33.700 33.799 33.897	27.467 27.474 27.481 27.486 27.502 27.509 27.515 27.522 27.528	69.7 69.0 68.3 67.9 67.3 66.4 65.8 65.2 64.6	16.632 16.771 16.908 17.045 17.180 17.314 17.446 17.577 17.706 17.835	90.5 90.5 90.6 90.6 90.6 90.6 90.6	1483.5 1483.6 1483.7 1484.0 1484.1 1484.2 1484.3 1484.5 1484.6 1484.8	12861.9 13192.0 13524.7 13860.1 14198.2 14538.8 14882.1 15227.9 15576.3 15927.2	4.1 6.2 1.5 6.5 8.9 4.5 3.0 3.0
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0	1387.5 1407.2 1426.9 1446.7 1466.4 1505.9 1525.6 1545.3 1565.1	2.986 2.961 2.912 2.876 2.843 2.821 2.759 2.728 2.713	2.887 2.860 2.810 2.773 2.739 2.715 2.686 2.651 2.618 2.601	34.558 34.560 34.563 34.566 34.570 34.572 34.574 34.576 34.576	27.543 27.5546 27.553 27.559 27.564 27.567 27.577 27.577 27.581 27.586	33.996 34.091 34.191 34.288 34.385 34.480 34.576 34.576 34.770 34.866	27.534 27.537 27.544 27.550 27.555 27.558 27.562 27.567 27.572	63.5 63.1 62.5 62.0 61.5 61.3 60.9 60.4 60.0	17.962 18.089 18.214 18.339 18.462 18.585 18.707 18.828 18.949 19.069	90.6 90.6 90.6 90.5 90.5 90.5 90.5	1485.0 1485.2 1485.3 1485.5 1485.7 1486.9 1486.3 1486.5 1486.8	16280.6 16636.4 16994.7 17355.4 17718.6 18084.1 18452.0 18822.3 19194.9 19569.9	7.7 3.1 1.3 2.8 4.0 4.0 1.9 4 2.3 6.7
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.5 1624.2 1643.9 1663.7 1683.4 1703.1 1722.8 1742.5 1762.2	2.673 2.634 2.607 2.584 2.560 2.522 2.520 2.477 2.458 2.436	2.560 2.520 2.492 2.467 2.442 2.403 2.379 2.355 2.335 2.335	34.584 34.586 34.589 34.593 34.596 34.597 34.599 34.599	27.590 27.596 27.600 27.604 27.609 27.615 27.618 27.622 27.623 27.626	34.961 35.060 35.155 35.251 35.348 35.446 35.540 35.635 35.728 35.823	27.580 27.586 27.590 27.594 27.599 27.605 27.607 27.611 27.613 27.616	59.2 58.3 57.9 57.5 56.7 56.3 56.2 55.9	19.187 19.305 19.422 19.538 19.653 19.768 19.881 19.994 20.107 20.219	90.6 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1487.0 1487.1 1487.4 1487.6 1487.8 1488.0 1488.2 1488.5 1488.7 1489.0	19947.1 20326.7 20708.6 21092.7 21479.0 21867.6 22258.4 22651.4 23046.5 23443.9	4.6 4.6 6.4 2.3 1.2 .6 2.4 -1.1
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1919.8 1939.5 1959.2	2.400 2.387 2.372 2.343 2.307 2.283 2.251 2.225 2.203 2.187	2.275 2.260 2.244 2.213 2.175 2.151 2.118 2.090 2.067 2.049	34.604 34.605 34.606 34.613 34.615 34.617 34.621 34.622 34.623	27.632 27.635 27.637 27.641 27.648 27.655 27.665 27.663 27.663	35.920 36.014 36.107 36.203 36.301 36.396 36.492 36.589 36.683 36.777	27.622 27.624 27.626 27.631 27.637 27.645 27.645 27.649 27.653 27.655	55.3 55.2 55.0 54.5 53.9 53.6 53.1 52.7 52.4 52.2	20.330 20.441 20.551 20.660 20.769 20.876 20.983 21.089 21.194 21.298	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1489.2 1489.4 1489.7 1489.9 1490.1 1490.3 1490.8 1490.8 1491.3	23843.4 24245.0 24648.8 25054.7 25462.7 25872.8 26285.0 26699.2 27115.5 27533.8	1.3 1.0 3.9 1.0 2.5 2.8 3.7 -1.0
2000.0 2050.0 2100.0 2150.0 2200.0 2350.0 2350.0 2400.0 2450.0	1978.9 2028.1 2077.3 2126.4 2175.6 2224.8 2273.9 2323.1 2372.2 2421.3	2.167 2.120 2.080 2.038 2.006 1.987 1.957 1.924 1.894 1.874	2.028 1.977 1.933 1.888 1.852 1.829 1.795 1.758 1.724 1.700	34.625 34.629 34.634 34.638 34.641 34.642 34.645 34.646 34.649	27.670 27.676 27.683 27.690 27.696 27.699 27.703 27.707 27.712 27.716	36.871 37.106 37.340 37.573 37.805 38.033 38.263 38.263 38.724 38.952	27.658 27.665 27.672 27.678 27.684 27.686 27.690 27.694 27.699 27.702	51.9 51.2 50.6 50.0 49.6 49.1 48.7 48.3	21.402 21.660 21.914 22.165 22.414 22.662 22.908 23.152 23.395 23.636	90.5 90.5 90.5 90.4 90.5 90.4 90.5 90.5	1491.5 1492.2 1492.8 1493.5 1494.2 1495.7 1495.7 1496.4 1497.8	27954.1 29013.5 30085.3 31169.3 32265.3 33373.3 34493.1 35624.8 36768.1 37923.1	1.1 .8 1.7 .9 2.7 -1.9 3.7 .8 1.4
2500.0 2550.0 2600.0 2700.0 2750.0 2800.0 2850.0 2900.0 2950.0	2470.4 2519.5 2568.6 2617.6 2666.7 2715.7 2715.7 2764.8 2813.8 2862.8 2911.8	1.833 1.806 1.782 1.765 1.744 1.728 1.713 1.682 1.668 1.656	1.655 1.625 1.596 1.576 1.550 1.530 1.510 1.475 1.457	34.654 34.655 34.657 34.661 34.663 34.664 34.666 34.667	27.721 27.724 27.728 27.731 27.734 27.737 27.740 27.746 27.746 27.748	39.183 39.411 39.639 39.866 40.093 40.319 40.545 40.773 40.998 41.222	27.707 27.711 27.714 27.717 27.720 27.722 27.725 27.729 27.731 27.732	47.6 47.3 47.0 46.8 46.4 46.3 45.8 45.7	23.875 24.112 24.348 24.582 24.815 25.048 25.280 25.510 25.739 25.967	90.4 90.5 90.4 90.4 90.4 90.4 90.4 90.4	1498.5 1499.2 1500.0 1500.8 1501.5 1502.3 1503.1 1503.8 1504.6 1505.4	39089.5 40267.4 41456.6 42657.1 43868.7 45091.5 46325.4 47570.4 47570.4 350093.1	2.1 1.2 .7 1.6 1.7 2.3 6 3 5
3000.0 3050.0 3100.0 3150.0 3200.0 3250.0 3300.0 3350.0 3400.0 3450.0	2960.8 3009.8 3058.8 3107.7 3156.6 3205.6 3254.5 3303.4 3352.3 3401.2	1.643 1.628 1.617 1.606 1.593 1.581 1.5574 1.561 1.551	1.423 1.403 1.388 1.372 1.354 1.337 1.327 1.308 1.294 1.278	34.669 34.671 34.672 34.674 34.675 34.676 34.676 34.678 34.679	27.750 27.753 27.755 27.758 27.760 27.762 27.763 27.766 27.768 27.768	41.446 41.671 41.894 42.118 42.342 42.564 42.786 43.009 43.231 43.454	27.734 27.737 27.738 27.741 27.742 27.744 27.745 27.747 27.749 27.751	45.5 45.4 45.3 45.2 45.1 45.0 44.8 44.7 44.6	26.195 26.423 26.649 26.875 27.101 27.326 27.551 27.775 27.999 28.222	90.5 90.4 90.4 90.5 90.3 90.4 90.3 90.4	1506.2 1507.0 1507.8 1508.6 1509.4 1510.2 1511.0 1511.8 1512.6 1513.4	51370.9 52659.5 53958.9 55269.1 56590.1 57921.8 59264.2 60617.3 61981.0 63355.4	1.3 .8 .8 .3 .6 .1 -1.0 .2 2.0 -1.5
3500.0 3550.0 3600.0 3650.0 3700.0 3750.0 3850.0 3900.0 3950.0	3450.1 3499.0 3547.8 3596.7 3645.5 3694.3 3743.1 3791.9 3840.8 3889.5	1.532 1.523 1.520 1.512 1.507 1.504 1.500 1.500 1.501	1.265 1.251 1.243 1.230 1.220 1.211 1.202 1.197 1.193 1.190	34.682 34.683 34.686 34.686 34.687 34.688 34.688 34.689 34.689	27.772 27.774 27.775 27.777 27.779 27.780 27.781 27.782 27.782 27.782	43.675 43.896 44.116 44.338 44.557 44.776 44.996 45.213 45.431 45.648	27.753 27.754 27.755 27.757 27.758 27.759 27.760 27.760 27.760 27.760	44.5 44.5 44.3 44.4 44.4 44.5 44.6 44.8	28.445 28.667 28.889 29.112 29.334 29.556 29.778 30.000 30.222 30.446	90.3 90.3 90.3 90.4 90.3 90.4 90.3 90.3 90.3	1514.2 1515.0 1515.9 1516.7 1517.5 1518.4 1519.2 1520.1 1521.0 1521.8	64740.3 66135.8 67541.9 68958.5 70385.6 71823.3 73271.5 74730.1 76199.4 77679.2	1.5 8 .7 1.3 1.4 -2.3 5 1.3
4000.0 4050.0 4100.0 4150.0 4200.0 4250.0 4350.0 4388.0	3938.3 3987.1 4035.8 4084.6 4133.3 4182.0 4230.7 4279.4 4316.4	1.504 1.507 1.509 1.511 1.516 1.520 1.522 1.526 1.530	1.185 1.183 1.178 1.175 1.174 1.173 1.168 1.167	34.690 34.691 34.691 34.691 34.691 34.692 34.692 34.692	27.784 27.784 27.785 27.785 27.785 27.786 27.787 27.787	45.866 46.081 46.298 46.514 46.729 46.729 47.160 47.375 47.537	27.762 27.761 27.761 27.762 27.761 27.761 27.762 27.761 27.761	44.8 45.0 45.2 45.3 45.5 45.7 45.8 46.0 46.1	30.670 30.895 31.120 31.346 31.573 31.801 32.029 32.259 32.434	90.3 90.3 90.3 90.3 90.2 90.3 90.3 90.3	1522.7 1523.6 1524.4 1525.3 1526.2 1527.1 1527.9 1528.8 1529.5	79169.5 80670.5 82182.2 83704.5 85237.5 86781.3 88335.8 89901.2 91098.1	.5 1.5 .3 8 .7 1

Station	72	Latitude	31. 56.	13'N	Longit	ude 126°	35.96'W	30	Aug 1989	GMT 1		Bottom	
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	-	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	.0 10.0 19.9 29.9 39.9 49.8 59.8 79.7 89.7	19.074 19.038 19.003 18.998 18.996 18.989 17.912 16.712 16.034 15.859	19.074 19.037 18.999 18.989 18.989 18.980 17.902 16.701 16.021 15.845	33.424 33.424 33.423 33.424 33.515 33.657 33.654 33.655 33.671 33.711	23.799 23.809 23.817 23.820 23.891 24.001 24.267 24.553 24.722 24.792	23.799 23.853 23.904 23.950 24.065 24.218 24.528 24.860 25.073 25.188	23.799 23.809 23.817 23.818 23.889 23.999 23.999 24.719 24.719	409.2 408.6 408.2 408.3 401.9 391.7 366.7 339.6 323.8 317.4	.000 .409 .817 1.225 1.633 2.028 2.407 2.756 3.086 3.406	90.4 90.3 90.3 90.1 90.2 90.1 90.2 90.2	1517.7 1517.8 1517.8 1518.0 1518.2 1518.5 1515.6 1512.2 1510.3 1510.0	.0 2.0 8.2 18.3 32.6 50.8 73.0 98.7 127.8	.0 17.3 2.3 280.6 128.5 445.7 236.2 121.3 42.8
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	15.045 14.918 13.701 14.085 12.729 12.325 11.674 10.713 10.428 9.986	15.030 14.901 13.685 14.066 12.710 12.305 11.654 10.693 10.406 9.965	33.632 33.704 33.562 33.771 33.588 33.573 33.549 33.535 33.654 33.676	24.912 24.995 25.142 25.224 25.357 25.423 25.527 25.690 25.832 25.925	25.352 25.480 25.674 25.799 26.092 26.243 26.453 26.453 26.781	24.908 24.991 25.138 25.220 25.353 25.419 25.524 25.686 25.828 25.921	306.2 298.6 284.6 277.2 264.5 258.4 248.5 233.1 219.7 210.9	3.719 4.022 4.314 4.595 4.864 5.126 5.380 5.619 5.845 6.060	90.4 90.6 90.8 90.8 90.9 91.0 91.1	1507.5 1507.3 1503.4 1505.0 1500.5 1499.2 1497.1 1493.9 1493.1 1491.7	195.6 234.2 275.7 320.0 367.1 416.8 469.1 523.8 580.8 640.0	128.8 125.3 91.6 126.6 12.7 82.3 169.2 39.6 125.3 116.2
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 248.8 258.8 268.7 278.6 288.6	9.483 9.225 8.838 8.668 8.457 8.378 8.194 7.990 7.831 7.676	9.461 9.202 8.815 8.644 8.432 8.353 8.167 7.963 7.803 7.648	33.767 33.828 33.890 33.918 33.939 33.965 33.985 33.997 34.004 34.010	26.079 26.169 26.279 26.327 26.376 26.409 26.452 26.492 26.521 26.549	26.982 27.118 27.275 27.370 27.465 27.543 27.633 27.719 27.795 27.868	26.076 26.165 26.275 26.324 26.372 26.405 26.448 26.448 26.517 26.514	196.3 187.9 177.5 173.0 168.5 165.6 161.5 157.9 155.1 152.6	6.265 6.457 6.641 6.816 6.986 7.153 7.316 7.476 7.633 7.787	91.0 90.9 90.7 90.2 89.3 87.7 85.7 85.7 83.3 80.8 78.3	1490.2 1489.4 1488.2 1487.8 1487.2 1487.1 1486.6 1486.0 1485.5 1485.1	701.3 764.5 829.6 896.5 965.1 1035.3 1107.2 1180.7 1255.7 1332.3	155.9 82.9 62.1 70.3 17.2 48.0 31.5 13.6 26.5
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.1 358.1 368.0 377.9 387.9	7.535 7.440 7.356 7.107 7.051 6.738 6.553 6.395 6.288	7.506 7.411 7.326 7.076 7.019 6.868 6.706 6.520 6.362 6.253	34.016 34.014 34.019 34.028 34.027 34.029 34.034 34.048 34.052 34.054	26.573 26.585 26.601 26.643 26.650 26.672 26.678 26.733 26.757 26.773	27.939 27.997 28.060 28.149 28.201 28.270 28.343 28.426 28.497 28.559	26.569 26.581 26.597 26.639 26.668 26.668 26.729 26.729 26.753 26.768	150.4 149.3 147.9 143.9 143.4 141.4 138.9 135.6 133.3	7.939 8.088 8.237 8.382 8.526 8.668 8.808 8.945 9.080 9.213	76.0 73.7 72.4 70.8 69.6 68.7 67.8 67.2 66.9 66.6	1484.7 1484.5 1484.4 1483.6 1483.5 1483.1 1482.6 1482.1 1481.6 1481.3	1410.4 1490.0 1571.0 1653.5 1737.5 1822.8 1909.6 1997.7 2087.2 2177.9	42.0 20.6 38.7 17.3 14.4 26.7 34.5 21.6 31.5
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.2 477.2	6.183 6.101 6.029 5.972 5.971 5.661 5.545 5.545	6.148 6.066 5.992 5.935 5.854 5.693 5.622 5.509 5.466 5.403	34.059 34.064 34.073 34.080 34.082 34.085 34.092 34.105 34.112 34.127	26.791 26.805 26.821 26.834 26.846 26.868 26.882 26.906 26.916 26.937	28.623 28.684 28.746 28.805 28.863 28.934 28.993 29.065 29.121 29.188	26.786 26.801 26.816 26.830 26.841 26.864 26.877 26.902 26.912 26.932	130.3 129.0 127.5 126.4 125.4 123.2 122.0 119.6 118.8 116.9	9.344 9.474 9.602 9.729 9.855 9.979 10.102 10.223 10.342 10.460	66.5 66.5 66.7 66.8 67.1 67.4 67.6 68.0	1481.1 1480.9 1480.8 1480.6 1480.1 1480.0 1479.7 1479.7	2270.0 2363.4 2458.1 2554.0 2651.1 2749.5 2849.1 2950.0 3052.0 3155.1	17.5 11.9 14.2 12.2 15.1 15.6 22.7 8.3 22.7
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.8 526.8 536.7 546.6 556.5 566.4 576.3	5.379 5.365 5.428 5.339 5.266 5.250 5.250 5.160 5.117	5.338 5.324 5.385 5.296 5.277 5.221 5.204 5.156 5.112 5.070	34.141 34.147 34.174 34.184 34.190 34.200 34.207 34.217 34.220 34.237	26.955 26.961 26.976 26.994 27.001 27.015 27.023 27.023 27.044 27.063	29.252 29.305 29.364 29.429 29.482 29.596 29.596 29.710 29.775	26.950 26.956 26.971 26.989 26.996 27.010 27.018 27.031 27.038 27.057	115.3 114.8 113.6 111.9 111.3 110.1 109.4 108.2 107.6 105.9	10.576 10.691 10.805 10.918 11.029 11.140 11.250 11.359 11.466 11.573	68.4 70.3 70.8 71.3 71.7 72.0 72.4 72.8 73.2 73.5	1479.6 1479.7 1480.2 1480.0 1480.1 1480.1 1480.1 1480.1 1480.1	3259.5 3364.9 3471.5 3579.2 3688.0 3798.0 4021.0 4134.2 4248.4	8.9 14.4 12.7 13.3 11.2 6.3 14.5 14.2 11.0 4.8
600.0 610.0 620.0 630.0 640.0 650.0 670.0 680.0 690.0	596.2 606.1 616.0 625.9 635.8 645.6 665.5 675.4 685.3	5.075 5.022 5.008 4.980 4.950 4.922 4.906 4.867 4.814 4.799	5.027 4.973 4.958 4.930 4.899 4.870 4.853 4.814 4.760 4.744	34.248 34.260 34.269 34.280 34.293 34.301 34.309 34.315 34.321 34.324	27.076 27.092 27.101 27.112 27.126 27.136 27.144 27.153 27.164 27.169	29.834 29.896 29.951 30.009 30.069 30.125 30.179 30.234 30.292 30.342	27.070 27.086 27.095 27.106 27.120 27.130 27.138 27.147 27.158 27.163	104.7 103.3 102.5 101.5 100.3 99.4 98.7 97.9 96.9 96.6	11.678 11.782 11.885 11.987 12.088 12.188 12.287 12.385 12.483 12.579	74.0 74.3 74.5 74.8 75.2 75.4 75.8 76.1 76.3	1480.1 1480.2 1480.3 1480.3 1480.3 1480.5 1480.5 1480.5 1480.5	4363.6 4479.9 4597.2 4715.5 4834.8 4955.1 5076.3 5198.6 5321.8 5445.9	26.2 8.0 6.9 10.7 16.5 11.3 8.6 12.2 5.4 8.6
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.8 754.7 764.6 774.5 784.4	4.736 4.707 4.680 4.658 4.634 4.622 4.595 4.5554 4.500 4.443	4.680 4.651 4.623 4.601 4.576 4.563 4.536 4.494 4.439 4.382	34.336 34.349 34.356 34.360 34.367 34.371 34.380 34.385 34.395 34.404	27.185 27.198 27.208 27.213 27.221 27.226 27.236 27.245 27.258 27.272	30.405 30.465 30.520 30.572 30.625 30.677 30.732 30.788 30.847 30.908	27.179 27.192 27.201 27.207 27.214 27.220 27.229 27.238 27.252 27.265	95.1 93.8 93.1 92.6 92.0 91.5 90.7 89.9 88.6 87.4	12.675 12.770 12.863 12.956 13.048 13.140 13.231 13.321 13.411 13.499	76.8 77.2 77.4 77.7 77.9 78.3 78.4 78.9 79.2	1480.5 1480.5 1480.6 1480.7 1480.8 1480.9 1480.9 1480.9 1480.9	5571.0 5697.0 5824.0 5951.9 6080.7 6210.3 6340.9 6472.4 6604.8 6738.0	11.6 3.1 8.1 8.7 4.0 6.3 11.6 15.1 24.5
800.0 810.0 820.0 830.0 840.0 850.0 870.0 880.0 890.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.404 4.377 4.346 4.310 4.283 4.242 4.225 4.195 4.168	4.342 4.314 4.282 4.246 4.240 4.218 4.176 4.158 4.128 4.100	34.410 34.416 34.429 34.429 34.429 34.431 34.436 34.438 34.441	27.281 27.288 27.295 27.303 27.306 27.311 27.319 27.323 27.328 27.328	30.963 31.017 31.070 31.124 31.173 31.224 31.278 31.328 31.380 31.432	27.274 27.282 27.288 27.296 27.299 27.304 27.312 27.315 27.321 27.327	86.5 85.9 85.3 84.6 84.0 83.3 83.0 82.5	13.586 13.672 13.757 13.842 13.927 14.011 14.095 14.178 14.260 14.343	79.9 80.3 80.7 81.1 81.3 81.8 82.1 82.6 83.4	1480.8 1480.9 1480.9 1481.0 1481.1 1481.2 1481.2 1481.3 1481.3	6872.1 7007.0 7142.8 7279.4 7416.9 7555.1 7694.2 7834.2 7974.9 8116.4	7.8 4.6 8.8 2.9 4.6 6.5 4.9
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.8 942.8 952.6 962.5 972.4 982.3	4.141 4.121 4.096 4.074 4.045 4.016 3.982 3.989 3.932 3.932	4.073 4.052 4.026 4.004 3.974 3.944 3.910 3.876 3.858 3.840	34.447 34.454 34.459 34.461 34.465 34.470 34.474 34.476 34.478	27.339 27.342 27.355 27.366 27.366 27.374 27.381 27.384 27.388	31.483 31.532 31.585 31.638 31.741 31.795 31.848 31.848 31.898	27.332 27.334 27.342 27.348 27.353 27.359 27.367 27.373 27.377 27.380	81.6 81.4 80.7 80.2 79.7 79.2 78.5 77.9 77.6 77.3	14.424 14.506 14.587 14.667 14.747 14.827 14.906 14.984 15.062 15.139	83.9 84.7 85.1 85.6 86.0 86.5 87.4 87.9	1481.4 1481.5 1481.6 1481.7 1481.7 1481.8 1481.8 1481.8 1481.9 1482.0	8258.8 8401.9 8545.8 8690.6 8836.1 8982.4 9129.5 9427.3 9425.9	2.0 2.8 7.5 7.5 2.3 19.0 3.4 2.0 1.7

Station		Latitude				ide 126°			Aug 1989				4225 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma -0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0	992.2 1012.0 1031.8 1051.5 1071.3 1091.1 1110.9 1130.6 1150.4	3.874 3.823 3.779 3.730 3.684 3.639 3.594 3.536 3.488	3.799 3.747 3.702 3.652 3.604 3.557 3.512 3.452 3.404	34.482 34.486 34.492 34.503 34.507 34.512 34.516 34.521	27.394 27.403 27.412 27.421 27.431 27.439 27.447 27.457 27.465	32.001 32.102 32.203 32.304 32.407 32.507 32.607 32.710 32.810	27.387 27.395 27.404 27.413 27.423 27.431 27.439 27.448 27.456	76.7 75.9 75.2 74.4 73.5 72.8 72.1 71.2 70.5	15.216 15.369 15.520 15.669 15.818 15.964 16.109 16.252 16.394	88.4 89.4 90.1 90.4 90.5 90.6 90.6 90.6	1482.0 1482.1 1482.3 1482.4 1482.6 1482.7 1482.9 1483.1	9725.4 10027.9 10333.4 10641.8 10953.1 11267.3 11584.3 11904.2 12226.9	10.8 6.1 4.6 1.7 6.1 3.5 2.9 4.1
1180.0 1200.0 1220.0 1240.0 1260.0 1380.0 1320.0 1340.0 1340.0 1380.0	1170.2 1189.9 1209.7 1229.4 1249.2 1268.9 1288.7 1308.4 1328.2 1347.9 1367.7	3.442 3.414 3.371 3.330 3.299 3.237 3.217 3.176 3.114 3.044	3.356 3.327 3.282 3.240 3.208 3.124 3.081 3.018 2.980 2.946	34.525 34.527 34.530 34.533 34.535 34.541 34.544 34.549 34.552 34.554	27.472 27.477 27.484 27.490 27.504 27.507 27.514 27.524 27.529 27.534	32.910 33.006 33.106 33.204 33.301 33.498 33.597 33.700 33.797 33.894	27.468 27.476 27.486 27.486 27.495 27.505 27.505 27.515 27.520 27.525	69.8 69.5 68.3 67.9 66.2 65.8 64.3	16.535 16.674 16.813 16.950 17.086 17.221 17.355 17.488 17.619 17.749 17.878	90.5 90.6 90.6 90.5 90.5 90.5 90.5 90.5	1483.2 1483.4 1483.6 1483.7 1483.9 1484.0 1484.3 1484.3 1484.5 1484.5 1484.7	12552.3 12880.4 13211.3 13544.8 13881.0 14219.9 14561.4 14905.5 15252.1 15601.3 15953.0	5.6 3.7 5.9 6.8 15.1 7.4 2.7
1400.0 1420.0 1440.0 1460.0 1500.0 1500.0 1540.0 1560.0 1580.0	1387.4 1407.2 1426.9 1446.7 1466.4 1455.8 1505.8 1525.6 1545.3	2.995 2.981 2.941 2.908 2.863 2.835 2.805 2.770 2.747 2.714	2.896 2.839 2.804 2.759 2.698 2.662 2.637 2.603	34.558 34.559 34.561 34.565 34.568 34.570 34.572 34.576 34.579 34.581	27.542 27.544 27.550 27.555 27.566 27.570 27.577 27.581 27.586	33.995 34.088 34.186 34.283 34.382 34.479 34.574 34.673 34.769 34.866	27.533 27.535 27.540 27.546 27.557 27.557 27.561 27.567 27.572 27.576	63.5 63.4 62.9 62.4 61.8 61.0 60.4 60.1	18.006 18.133 18.260 18.385 18.509 18.632 18.755 18.876 18.997 19.117	90.6 90.5 90.6 90.6 90.5 90.5 90.5 90.5	1485.0 1485.3 1485.4 1485.6 1485.8 1486.0 1486.2 1486.4 1486.6 1486.8	16307.3 16664.0 17023.2 17384.8 17748.8 18115.3 18484.1 18855.3 19228.9 19604.8	2.5 5.1 2.5 1.3 1 3.7 4.6 2.9
1600.0 1620.0 1640.0 1660.0 1700.0 1700.0 1740.0 1760.0 1780.0	1584.8 1604.5 1624.2 1643.9 1663.6 1683.3 1703.1 1722.8 1742.5 1762.2	2.683 2.652 2.619 2.582 2.554 2.534 2.494 2.474 2.427	2.571 2.539 2.504 2.465 2.437 2.415 2.372 2.352 2.326 2.303	34.583 34.584 34.587 34.591 34.593 34.594 34.596 34.597 34.599 34.602	27.590 27.594 27.600 27.610 27.612 27.618 27.620 27.624 27.628	34.961 35.057 35.155 35.253 35.348 35.443 35.541 35.634 35.730 35.825	27.580 27.584 27.590 27.596 27.600 27.602 27.608 27.610 27.614 27.618	59.3 58.9 58.4 57.7 57.4 56.6 56.6 55.7	19.236 19.354 19.471 19.587 19.702 19.817 19.930 20.044 20.156 20.268	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1487.0 1487.2 1487.4 1487.6 1487.8 1488.1 1488.2 1488.5 1488.7 1488.9	19983.1 20363.6 20746.4 21131.4 21518.8 21908.3 22300.0 22694.0 23090.1 23488.4	3.2 2.6 5.5 6.4 2.3 3.2 3 3.3 2.1
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1919.8 1939.4 1959.1	2.393 2.369 2.337 2.310 2.282 2.251 2.221 2.207 2.198 2.191	2.268 2.242 2.209 2.181 2.151 2.119 2.088 2.073 2.062 2.053	34.604 34.605 34.607 34.611 34.614 34.615 34.617 34.618 34.620	27.633 27.636 27.640 27.643 27.653 27.655 27.659 27.661 27.663	35.921 36.016 36.112 36.206 36.303 36.400 36.495 36.588 36.588 36.774	27.622 27.625 27.629 27.632 27.637 27.642 27.646 27.648 27.650 27.652	55.3 55.0 54.6 54.3 53.8 53.3 52.7 52.6 52.4	20.379 20.489 20.598 20.707 20.815 20.922 21.028 21.134 21.239 21.344	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1489.1 1489.4 1489.6 1489.8 1490.0 1490.2 1490.4 1490.7 1491.0	23888.8 24291.4 24696.2 25103.0 25511.9 25922.9 26336.0 26751.1 27168.2 27587.4	6.5 3.9 5 4.2 3.1 1.3 1.6 1
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2300.0 2350.0 2400.0 2450.0	1978.8 2028.0 2077.2 2126.4 2175.6 2224.7 2273.9 2323.0 2372.1 2421.2	2.172 2.109 2.060 2.021 1.990 1.945 1.906 1.870 1.836 1.808	2.032 1.966 1.914 1.871 1.837 1.787 1.745 1.706 1.667	34.620 34.626 34.632 34.635 34.642 34.646 34.649 34.652 34.652	27.665 27.675 27.684 27.690 27.695 27.701 27.708 27.713 27.718 27.723	36.867 37.104 37.341 37.574 37.805 38.039 38.271 38.503 38.734 38.964	27.654 27.663 27.672 27.678 27.683 27.689 27.695 27.701 27.706 27.710	52.3 51.3 50.5 50.0 49.6 48.9 48.3 47.4 47.0	21.449 21.708 21.962 22.213 22.462 22.708 22.951 23.192 23.430 23.666	90.4 90.5 90.5 90.5 90.5 90.5 90.4 90.4	1491.5 1492.1 1492.7 1493.4 1494.1 1494.8 1495.5 1496.1 1496.8 1497.6	28008.6 29070.4 30144.5 31230.8 32329.2 33439.4 34561.5 35695.1 36840.2 37996.7	1.7 1.4 3 2.1 3.3 1.3 2.2 1.4
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2900.0 2950.0	2470.3 2519.4 2568.5 2617.6 2666.6 2715.7 2764.7 2813.7 2862.8 2911.8	1.793 1.774 1.757 1.757 1.730 1.707 1.685 1.658 1.652 1.642	1.617 1.593 1.572 1.541 1.514 1.488 1.457 1.436 1.416	34.655 34.657 34.661 34.664 34.665 34.667 34.668 34.670 34.671	27.725 27.728 27.731 27.735 27.739 27.742 27.746 27.749 27.751 27.753	39.190 39.417 39.644 39.873 40.101 40.328 40.556 40.781 41.006 41.230	27.712 27.715 27.717 27.721 27.725 27.728 27.731 27.734 27.736 27.737	46.9 46.6 46.2 45.9 45.3 45.1 45.0 44.9	23.901 24.135 24.368 24.599 24.829 25.058 25.286 25.511 25.737 25.962	90.5 90.5 90.4 90.4 90.5 90.4 90.5	1498.3 1499.1 1499.9 1500.6 1501.4 1502.8 1503.6 1504.4 1505.2	39164.5 40343.5 41533.7 42735.1 43947.4 45170.8 46405.1 47650.2 48906.0 50172.7	.0 1.0 2 2.8 1.4 .3 .0 2
3000.0 3050.0 3100.0 3150.0 3200.0 3250.0 3350.0 3400.0 3450.0	2960.7 3009.7 3058.7 3107.6 3156.6 3205.5 3254.4 3303.4 3352.3 3401.1	1.607 1.600 1.595 1.593 1.587 1.580 1.574 1.564 1.559	1.387 1.376 1.366 1.359 1.349 1.337 1.326 1.311 1.301	34.672 34.673 34.674 34.674 34.676 34.677 34.678 34.679 34.680	27.755 27.757 27.758 27.759 27.760 27.762 27.763 27.765 27.767 27.769	41.454 41.677 41.899 42.121 42.342 42.565 42.787 43.009 43.230 43.452	27.739 27.740 27.741 27.742 27.743 27.744 27.746 27.747 27.748 27.750	44.8 44.9 44.9 45.0 44.9 44.9 44.8 44.9	26.186 26.410 26.634 26.859 27.083 27.308 27.533 27.757 27.982 28.205	90.4 90.5 90.4 90.3 90.4 90.4 90.4	1506.0 1506.8 1507.7 1508.5 1509.3 1510.2 1511.0 1511.8 1512.6 1513.4	51450.0 52738.0 54036.7 55346.1 56666.2 57997.0 59338.5 60690.7 62053.5 63427.0	2 2.3 .2 .6 2 2 1.3 .2 .2
3500.0 3550.0 3600.0 3650.0 3700.0 3750.0 3800.0 3850.0 3900.0	3450.0 3498.9 3547.8 3596.6 3645.4 3694.3 3743.1 3791.9 3840.7 3889.4	1.540 1.526 1.517 1.516 1.509 1.500 1.500 1.494 1.494	1.273 1.254 1.240 1.234 1.222 1.211 1.204 1.197 1.186 1.180	34.682 34.683 34.685 34.685 34.686 34.688 34.688 34.690 34.691	27.771 27.773 27.775 27.776 27.778 27.779 27.781 27.781 27.784 27.785	43.674 43.896 44.117 44.336 44.556 44.776 44.995 45.213 45.433 45.650	27.752 27.754 27.755 27.756 27.758 27.759 27.760 27.760 27.762 27.763	44.7 44.5 44.5 44.4 44.5 44.5 44.5	28.429 28.652 28.874 29.096 29.319 29.541 29.763 29.985 30.207 30.430	90.4 90.4 90.4 90.4 90.4 90.4 90.3 90.3	1514.3 1515.1 1515.9 1516.7 1517.6 1518.4 1519.2 1520.1 1520.9 1521.8	64811.1 66205.9 67611.2 69027.0 70453.4 71890.3 73337.7 74795.6 76264.1 77743.1	1.0 .7 .2 1.4 .3 2 .4
4000.0 4050.0 4100.0 4150.0 4200.0 4250.0 4276.0	3938.2 3987.0 4035.7 4084.5 4133.2 4181.9 4207.2	1.497 1.496 1.499 1.504 1.508 1.513 1.515	1.178 1.171 1.169 1.168 1.167 1.166 1.165	34.691 34.692 34.692 34.692 34.692 34.693 34.692	27.785 27.786 27.786 27.787 27.787 27.787 27.787	45.867 46.084 46.300 46.516 46.731 46.947 47.058	27.762 27.763 27.763 27.763 27.762 27.763 27.763	44.7 44.8 44.9 45.1 45.3 45.5	30.653 30.876 31.101 31.326 31.552 31.779 31.897	90.4 90.3 90.3 90.3 90.3 90.3	1522.7 1523.5 1524.4 1525.3 1526.2 1527.0 1527.5	79232.6 80732.7 82243.4 83764.7 85296.6 86839.3 87645.7	2.2 .0 5 .7 7

Station	73	Latitude	32° 10.	13'N	Longit	ude 126°	27.39'W	30	Aug 1989	GMT 2	3:25	Bottom	4275 m
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	10.0 19.9 29.9 39.9 49.8 59.8 69.8 79.7	19.184 19.192 19.081 19.059 19.053 18.710 16.459 15.667 15.208 14.647	19.184 19.191 19.078 19.053 19.046 18.701 16.449 15.656 15.196 14.634	33.525 33.526 33.521 33.521 33.522 33.528 33.457 33.468 33.449	23.848 23.847 23.873 23.878 23.881 23.973 24.460 24.648 24.735 24.825	23.848 23.891 23.959 24.009 24.055 24.190 24.723 24.955 25.087	23.848 23.847 23.872 23.877 23.880 23.971 24.457 24.732 24.732 24.822	404.5 405.0 402.9 402.7 402.8 394.4 348.2 330.5 312.5 314.1	.000 .405 .809 1.212 1.615 2.014 2.384 2.720 3.046 3.363	90.3 90.3 90.2 90.2 90.0 90.0 90.1 90.2 90.3	1518.1 1518.3 1518.2 1518.3 1518.4 1517.6 2511.0 1508.8 1507.4 1505.8	.0 2.0 8.1 18.1 32.2 50.3 72.3 97.7 126.4 158.4	19.6 26.9 1.9 11.7 136.7 292.6 127.7 55.3 143.9
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	14.056 13.833 13.096 12.721 12.582 12.539 11.828 11.194 10.223	14.042 13.818 13.080 12.703 12.564 12.519 11.808 11.174 10.765 10.201	33.403 33.407 33.347 33.354 33.570 33.548 33.554 33.554 33.645	24.945 24.994 25.097 25.177 25.270 25.380 25.498 25.608 25.692 25.860	25.388 25.482 25.631 25.756 25.894 26.048 26.214 26.370 26.716	24.942 24.992 25.094 25.174 25.267 25.376 25.495 25.688 25.8857	302.8 298.4 288.7 281.3 272.7 262.5 251.3 241.0 233.1 217.1	3.671 3.972 4.266 4.551 4.827 5.094 5.352 5.598 5.598 6.062	90.4 90.6 90.8 90.8 91.0 91.0 91.0	1504.0 1503.4 1501.1 1500.0 1499.8 1500.0 1497.6 1495.6 1494.3 1492.6	193.4 231.4 272.4 316.3 363.0 412.4 464.3 518.8 575.7 634.9	89.9 114.5 101.5 102.0 27.3 87.4 68.2 34.4 164.3 94.0
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 248.8 258.8 268.7 278.6 288.6	9.976 9.721 9.316 9.055 8.873 8.545 8.390 8.210 7.954 7.825	9.953 9.698 9.292 9.030 8.847 8.519 8.363 8.183 7.926 7.797	33.680 33.713 33.781 33.851 33.903 33.923 33.970 34.002 34.005	25.930 25.998 26.117 26.214 26.283 26.350 26.411 26.452 26.501 26.522	26.831 26.945 27.111 27.254 27.369 27.483 27.590 27.678 27.774 27.841	25.926 25.994 26.113 26.210 26.279 26.346 26.407 26.448 26.448 26.518	210.6 204.3 193.0 183.9 177.5 171.2 165.5 161.7 157.1 155.2	6.276 6.484 6.683 6.871 7.052 7.227 7.395 7.559 7.719 7.875	91.1 91.0 91.0 91.0 91.0 90.9 90.8 90.8 90.8	1491.9 1491.1 1489.9 1489.2 1488.7 1487.7 1487.3 1486.8 1486.0 1485.7	696.2 759.6 825.1 892.4 961.6 1032.6 1105.2 1179.5 1255.4 1332.8	25.4 120.5 109.9 70.9 31.1 56.2 35.7 60.3 36.5 34.4
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.2 358.1 368.0 377.9 387.9	7.699 7.520 7.446 7.282 7.185 6.999 6.872 6.707 6.540	7.670 7.490 7.415 7.251 7.153 6.966 6.838 6.762 6.673 6.505	34.006 34.013 34.018 34.024 34.027 34.032 34.033 34.035 34.041	26.542 26.573 26.588 26.616 26.631 26.661 26.679 26.708 26.733	27.907 27.985 28.045 28.120 28.181 28.258 28.323 28.323 28.444 28.516	26.538 26.569 26.583 26.611 26.626 26.656 26.674 26.703 26.728	153.4 150.5 149.3 146.7 145.3 142.5 140.8 138.8 138.3	8.029 8.182 8.332 8.480 8.626 8.770 8.911 9.052 9.191 9.328	90.7 90.6 90.5 90.5 90.3 90.2 89.9 89.8 89.7	1485.4 1484.8 1484.7 1484.2 1484.0 1483.5 1483.0 1482.8 1482.3	1411.8 1492.3 1574.3 1657.8 1742.7 1829.1 1916.8 2006.0 2096.5 2188.4	8.3 16.8 25.6 13.0 29.3 23.5 14.9 18.7 31.9
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.3 467.2 487.1	6.395 6.245 6.141 6.028 5.934 5.813 5.754 5.706 5.601	6.359 6.209 6.104 5.990 5.896 5.810 5.773 5.715 5.666 5.560	34.053 34.059 34.064 34.073 34.076 34.077 34.086 34.097 34.111 34.121	26.758 26.783 26.800 26.821 26.837 26.847 26.859 26.874 26.892 26.913	28.589 28.660 28.724 28.792 28.855 28.911 28.969 29.031 29.034 29.162	26.754 26.778 26.795 26.816 26.833 26.843 26.854 26.869 26.887 26.907	133.5 131.3 129.7 127.7 126.2 125.3 124.3 122.9 121.3 119.4	9.463 9.595 9.726 9.855 9.982 10.108 10.233 10.356 10.478 10.599	89.3 89.2 89.0 89.0 89.0 89.1 89.2 89.4	1481.9 1481.5 1481.0 1480.8 1480.6 1480.6 1480.5 1480.5	2281.7 2376.2 2472.1 2569.3 2567.7 2767.4 2868.3 2970.4 3073.7 3178.3	24.8 12.5 22.4 16.0 15.4 13.9 13.7 20.9 15.4
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0	497.0 506.9 516.8 526.8 536.7 546.5 556.5 566.4 576.3	5.501 5.422 5.394 5.327 5.300 5.265 5.206 5.175 5.165 5.132	5.459 5.380 5.351 5.283 5.256 5.220 5.160 5.129 5.118 5.084	34.130 34.140 34.143 34.157 34.164 34.176 34.195 34.204 34.228 34.229	26.932 26.949 26.955 26.975 26.983 26.996 27.019 27.030 27.049 27.054	29.228 29.292 29.344 29.410 29.465 29.524 29.593 29.650 29.715 29.766	26.927 26.944 26.950 26.969 26.978 26.991 27.013 27.024 27.044 27.049	117.6 116.0 115.5 113.7 113.0 111.8 109.8 108.8 107.1 106.7	10.717 10.834 10.950 11.064 11.178 11.290 11.401 11.510 11.618 11.725	89.7 89.8 90.1 90.2 90.4 90.3 90.5 90.5 90.5	1480.1 1479.9 1480.0 1479.9 1479.9 1480.0 1479.9 1480.0 1480.1 1480.2	3284.0 3390.8 3498.9 3608.0 3718.3 3829.7 3942.2 4055.8 4170.4 4286.1	19.7 19.4 10.4 1.9 15.6 3.3 32.9 2.5 4.2 5.1
600.0 610.0 620.0 630.0 640.0 650.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.7 655.6 665.5 675.4 685.3	5.119 5.081 5.059 4.949 4.955 4.933 4.904 4.851 4.810	5.070 5.032 5.009 4.899 4.904 4.881 4.851 4.798 4.756	34.244 34.248 34.258 34.270 34.280 34.292 34.305 34.315 34.323 34.329	27.068 27.075 27.086 27.108 27.116 27.128 27.141 27.155 27.167 27.175	29.825 29.879 29.936 30.005 30.059 30.117 30.176 30.236 30.294 30.349	27.062 27.070 27.081 27.102 27.110 27.122 27.135 27.149 27.160 27.169	105.5 104.9 103.9 101.9 101.2 100.2 997.7 96.7 96.0	11.832 11.937 12.041 12.144 12.246 12.347 12.446 12.545 12.642 12.738	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1480.3 1480.4 1480.1 1480.3 1480.4 1480.5 1480.4 1480.4 1480.5	4402.9 4520.7 4639.5 4759.4 4880.2 5002.1 5124.9 5248.7 5373.5 5499.2	22.7 3.4 25.3 20.6 15.1 6.0 25.9 15.4 1.9
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.8 754.7 764.6 774.5	4.775 4.698 4.666 4.611 4.591 4.568 4.541 4.519 4.486 4.455	4.719 4.642 4.609 4.554 4.533 4.510 4.482 4.459 4.426 4.393	34.336 34.347 34.361 34.368 34.374 34.380 34.389 34.389 34.392 34.397	27.181 27.198 27.213 27.224 27.231 27.239 27.249 27.254 27.261 27.267	30.400 30.465 30.525 30.583 30.637 30.690 30.746 30.797 30.851 30.903	27.175 27.192 27.206 27.218 27.225 27.232 27.242 27.247 27.255 27.260	95.5 93.8 92.6 91.5 90.9 90.3 89.4 89.0 88.3 87.8	12.834 12.928 13.021 13.114 13.205 13.295 13.385 13.474 13.563 13.651	90.6 90.5 90.6 90.6 90.6 90.6 90.6	1480.6 1480.5 1480.5 1480.5 1480.6 1480.7 1480.8 1480.8	5625.9 5753.5 5882.0 6011.4 6141.8 6273.0 6405.1 6572.0 6806.7	22.1 12.4 7.2 8.3 6.6 4.3 4.8 6.6 5.7
800.0 810.0 820.0 830.0 840.0 850.0 870.0 880.0 890.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.422 4.399 4.354 4.363 4.306 4.285 4.256 4.169 4.153	4.360 4.337 4.291 4.299 4.274 4.240 4.219 4.189 4.102 4.085	34.408 34.411 34.423 34.423 34.423 34.432 34.432 34.438 34.441 34.437	27.277 27.283 27.288 27.296 27.303 27.309 27.316 27.322 27.327 27.333	30.959 31.011 31.063 31.116 31.169 31.222 31.275 31.327 31.380 31.431	27.271 27.276 27.281 27.289 27.296 27.302 27.309 27.315 27.320 27.326	86.9 86.0 85.4 84.8 84.6 83.6 82.5 82.0	13.738 13.825 13.911 13.997 14.082 14.167 14.250 14.334 14.417 14.499	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1480.9 1481.0 1481.0 1481.3 1481.3 1481.4 1481.4 1481.2 1481.3	6942.3 7078.8 7216.1 7354.2 7493.2 7633.0 7773.6 7915.1 8057.3 8200.4	5.2 4 3.4 7.2 7.5 9.3 4.6 8.4 6.6
900.0 910.0 920.0 930.0 940.0 950.0 970.0 980.0 990.0	893.3 903.2 913.1 923.0 932.8 942.7 952.6 962.5 972.4 982.3	4.131 4.116 4.091 4.049 4.012 3.973 3.945 3.932 3.903 3.877	4.063 4.047 4.022 3.979 3.941 3.902 3.873 3.859 3.829 3.803	34.450 34.461 34.463 34.466 34.468 34.476 34.478 34.481 34.481	27.342 27.349 27.355 27.361 27.368 27.374 27.382 27.385 27.391 27.396	31.487 31.539 31.591 31.644 31.697 31.749 31.804 31.854 31.906 31.957	27.335 27.342 27.347 27.354 27.360 27.366 27.375 27.378 27.384 27.389	81.2 80.7 80.2 79.6 79.0 78.4 77.6 77.4 76.9 76.4	14.580 14.661 14.742 14.822 14.901 14.979 15.057 15.135 15.212 15.289	90.6 90.5 90.6 90.6 90.6 90.6 90.6 90.6	1481.4 1481.5 1481.6 1481.6 1481.6 1481.6 1481.8 1481.8	8344.3 8489.0 8634.5 8780.7 8927.8 9075.6 9224.1 9373.5 9523.6 9674.4	7.5 8.1 4.0 13.4 5.8 11.0 2.9 5.2 3.7

Station	73	Latitude	32. 10.1	.3'N	Longitu	ide 126°	27.39'W	30	Aug 1989	GMT 23	3:25	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0 1180.0	992.2 1012.0 1031.8 1051.5 1071.3 1091.1 1110.8 1130.6 1150.4 1170.2	3.863 3.796 3.750 3.698 3.644 3.611 3.583 3.583 3.492 3.492	3.789 3.721 3.673 3.620 3.564 3.530 3.501 3.456 3.407 3.371	34.486 34.491 34.495 34.502 34.510 34.513 34.516 34.520 34.520	27.399 27.409 27.418 27.428 27.438 27.444 27.449 27.455 27.463 27.469	32.005 32.109 32.210 32.312 32.415 32.513 32.610 32.709 32.808 32.907	27.391 27.402 27.411 27.420 27.430 27.436 27.441 27.448 27.455 27.461	76.3 75.3 74.5 73.6 72.7 72.3 71.9 71.3 70.6 70.1	15.365 15.517 15.667 15.815 15.961 16.107 16.251 16.394 16.536 16.677	90.5 90.5 90.5 90.6 90.5 90.5 90.5	1482.0 1482.0 1482.2 1482.3 1482.4 1482.6 1482.8 1483.0 1483.1 1483.3	9826.0 10131.4 10439.8 10751.1 11065.3 11382.3 11702.2 12024.8 12350.3 12678.5	2.9 10.8 3.5 6.7 1.7 2.6 3.5 5.3
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0 1380.0	1189.9 1209.7 1229.4 1249.2 1268.9 1288.7 1308.4 1328.2 1347.9 1367.7	3.405 3.354 3.314 3.281 3.253 3.218 3.191 3.142 3.087 3.056	3.317 3.266 3.224 3.190 3.160 3.125 3.095 3.046 2.990 2.957	34.526 34.530 34.536 34.538 34.540 34.543 34.546 34.549 34.553 34.556	27.477 27.486 27.494 27.503 27.509 27.514 27.521 27.529 27.534	33.007 33.108 33.208 33.306 33.401 33.499 33.596 33.696 33.797 33.894	27.469 27.477 27.485 27.490 27.500 27.504 27.512 27.520 27.525	69.4 68.6 67.9 67.5 67.2 66.3 65.6 64.8	16.817 16.954 17.091 17.226 17.361 17.495 17.628 17.760 17.890 18.019	90.5 90.6 90.5 90.5 90.5 90.5 90.5	1483.4 1483.5 1483.7 1483.9 1484.1 1484.3 1484.5 1484.6 1484.7 1484.9	13009.4 13343.1 13679.4 14018.4 14360.0 14704.3 15051.1 15400.5 15752.5 16107.0	9.4 .9 3.9 2.7 .4 5.1 5.4 4.8 1.9
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.4 1407.2 1426.9 1446.6 1466.4 1486.1 1505.8 1525.6 1545.3 1565.0	3.008 2.968 2.944 2.913 2.879 2.854 2.821 2.789 2.752 2.711	2.908 2.867 2.841 2.809 2.774 2.747 2.713 2.680 2.642 2.599	34.558 34.560 34.563 34.567 34.568 34.570 34.573 34.575 34.578	27.541 27.546 27.551 27.556 27.560 27.565 27.570 27.574 27.580 27.586	33.993 34.090 34.187 34.284 34.380 34.477 34.574 34.670 34.768 34.866	27.532 27.537 27.542 27.551 27.556 27.566 27.565 27.571 27.577	63.7 63.2 62.8 62.3 62.0 61.6 60.7 60.2 59.6	18.147 18.274 18.400 18.526 18.650 18.774 18.896 19.018 19.139	90.6 90.5 90.7 90.4 90.4 90.5 90.4 90.5	1485.1 1485.2 1485.5 1485.7 1485.8 1486.1 1486.3 1486.5 1486.6 1486.8	16464.0 16823.5 17185.5 17549.9 17916.7 18285.9 18657.6 19031.6 19407.9 19786.6	1.6 2.5 7 4.8 -1.0 3.4 1.7 2.3
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.7 1604.5 1624.2 1643.9 1663.6 1683.3 1703.0 1722.8 1742.4 1762.2	2.687 2.663 2.627 2.590 2.564 2.534 2.511 2.481 2.442 2.417	2.574 2.549 2.512 2.474 2.446 2.415 2.390 2.360 2.319 2.293	34.582 34.584 34.586 34.589 34.591 34.593 34.598 34.599 34.602	27.589 27.593 27.598 27.603 27.608 27.612 27.616 27.620 27.625 27.629	34.961 35.056 35.153 35.250 35.346 35.442 35.538 35.633 35.730 35.826	27.580 27.583 27.588 27.593 27.598 27.602 27.606 27.610 27.614 27.618	59.3 59.5 58.0 57.6 57.2 56.5 56.5	19.378 19.496 19.614 19.730 19.846 19.961 20.075 20.188 20.301 20.413	90.4 90.4 90.5 90.5 90.4 90.4 90.4	1487.0 1487.3 1487.5 1487.6 1487.9 1488.1 1488.3 1488.5 1488.7	20167.7 20551.0 20936.6 219324.5 21714.6 22107.0 22501.5 22898.3 23297.3 23698.4	1.4 3.2 2.3 2.6 1.5 3 1.5 2.1
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.3 1900.0 1919.7 1939.4 1959.1	2.385 2.361 2.321 2.302 2.287 2.263 2.240 2.230 2.230 2.204 2.187	2.260 2.234 2.193 2.172 2.156 2.130 2.106 2.095 2.067 2.049	34.604 34.605 34.608 34.610 34.612 34.614 34.616 34.618 34.620 34.622	27.634 27.636 27.642 27.646 27.652 27.656 27.658 27.662 27.665	35.923 36.017 36.115 36.209 36.303 36.398 36.493 36.586 36.682 36.776	27.623 27.626 27.632 27.635 27.637 27.642 27.645 27.645 27.651 27.654	55.1 54.9 54.3 54.0 53.8 53.4 53.1 52.5 52.3	20.523 20.633 20.742 20.851 20.958 21.066 21.172 21.278 21.384 21.489	90.3 90.5 90.4 90.4 90.4 90.4 90.4 90.4	1489.1 1489.3 1489.5 1489.7 1490.0 1490.2 1490.5 1490.8 1491.0 1491.3	24101.7 24507.2 24914.7 25324.4 25736.1 26149.9 26565.8 26983.7 27403.7 27825.7	6.2 1.8 1.6 3.0 1.9 1.6 3.4 4.9
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2300.0 2350.0 2400.0 2450.0	1978.8 2028.0 2077.2 2126.4 2175.5 2224.7 2273.8 2323.0 2372.1 2421.2	2.170 2.118 2.086 2.038 1.990 1.944 1.881 1.882	2.031 1.975 1.939 1.888 1.836 1.753 1.753 1.683	34.623 34.628 34.631 34.634 34.639 34.643 34.645 34.645 34.649	27.668 27.675 27.681 27.687 27.694 27.705 27.705 27.709 27.715 27.718	36.869 37.105 37.336 37.570 37.805 38.037 38.268 38.498 38.498 38.958	27.656 27.664 27.669 27.675 27.683 27.687 27.692 27.697 27.702 27.705	52.0 51.3 50.9 50.3 49.6 49.1 48.7 48.2 47.8	21.593 21.851 22.107 22.360 22.609 22.856 23.100 23.342 23.583 23.821	90.4 90.4 90.4 90.4 90.5 90.4 90.5 90.4	1491.5 1492.2 1492.9 1493.5 1494.1 1494.8 1495.5 1496.9 1497.6	28249.7 29318.6 30399.8 31493.2 32598.8 33716.3 34845.6 35986.5 37139.1 38303.1	5.2 1.1 2.3 2.7 1.5 2 1.6 1.9
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2900.0	2470.3 2519.4 2568.5 2617.6 2666.6 2715.6 2764.7 2813.7 2862.7 2911.7	1.802 1.781 1.755 1.728 1.701 1.684 1.665 1.648 1.634	1.625 1.600 1.570 1.539 1.507 1.487 1.463 1.442 1.424	34.653 34.655 34.657 34.660 34.662 34.665 34.665 34.667 34.669	27.722 27.726 27.730 27.735 27.738 27.741 27.744 27.747 27.750 27.751	39.187 39.415 39.643 39.872 40.101 40.327 40.553 40.779 41.004 41.228	27.709 27.712 27.716 27.721 27.727 27.727 27.729 27.735 27.735 27.736	47.2 47.0 46.7 46.2 45.9 45.7 45.3 45.2 45.1	24.058 24.293 24.527 24.759 24.989 25.218 25.446 25.674 25.900 26.125	90.5 90.4 90.4 90.4 90.4 90.4 90.4	1498.4 1499.1 1499.9 1500.6 1501.3 1502.9 1503.6 1504.4 1505.2	39478.5 40665.3 41863.3 43072.4 44292.6 45523.8 46765.9 48018.9 48028.7 50557.3	1.8 2 1.6 4 .8 1.7 1.8 5
3000.0 3050.0 3100.0 3150.0 3250.0 3250.0 3350.0 3400.0 3450.0	2960.7 3009.7 3058.6 3107.6 3156.5 32054.4 3303.3 3352.2 3401.1	1.612 1.596 1.584 1.570 1.555 1.549 1.544 1.537 1.524 1.514	1.392 1.372 1.355 1.337 1.318 1.306 1.296 1.285 1.267 1.252	34.671 34.672 34.673 34.675 34.678 34.678 34.679 34.680 34.681 34.683	27.754 27.757 27.758 27.761 27.764 27.766 27.767 27.769 27.771	41.452 41.677 41.901 42.125 42.349 42.571 42.793 43.014 43.237 43.460	27.738 27.740 27.742 27.744 27.747 27.748 27.749 27.750 27.753 27.755	45.0 44.8 44.7 44.5 44.3 44.3 44.3 44.3	26.351 26.575 26.799 27.022 27.244 27.466 27.688 27.909 28.131 28.351	90.5 90.4 90.4 90.3 90.3 90.4 90.4	1506.0 1506.8 1507.6 1508.4 1509.2 1510.0 1510.9 1511.7 1512.5 1513.3	51842.6 53138.7 54445.5 55762.9 57090.9 58429.5 59778.6 61138.2 62508.4 63889.1	1.1 1.1 6 8 1.0 1 1.7
3500.0 3550.0 3600.0 3650.0 3700.0 3750.0 3800.0 3850.0 3900.0 3950.0	3450.0 3498.8 3547.7 3596.5 3645.4 3694.2 3743.0 3791.8 3840.6 3889.4	1.509 1.504 1.500 1.500 1.499 1.495 1.495 1.498 1.499	1.242 1.232 1.223 1.218 1.212 1.204 1.197 1.192 1.189	34.684 34.685 34.686 34.687 34.688 34.689 34.689 34.689 34.690	27.775 27.776 27.778 27.779 27.780 27.781 27.782 27.783 27.783 27.783	43.681 43.901 44.121 44.340 44.559 44.778 44.997 45.215 45.432 45.650	27.756 27.757 27.758 27.759 27.760 27.761 27.761 27.761 27.761 27.762	44.0 44.1 44.2 44.2 44.2 44.4 44.5	28.571 28.791 29.011 29.232 29.453 29.674 29.895 30.116 30.338 30.561	90.4 90.3 90.3 90.3 90.3 90.4 90.4 90.3	1514.1 1515.0 1515.8 1516.7 1517.5 1518.4 1519.2 1520.1 1520.9 1521.8	65280.2 66681.8 68093.8 69516.3 70949.2 72392.6 73846.4 75785.6 78271.0	5 5 4 3 8
4000.0 4050.0 4100.0 4150.0 4200.0 4250.0 4300.0 4322.0	3938.2 3986.9 4035.7 4084.4 4133.1 4181.9 4230.6 4252.0	1.500 1.503 1.506 1.509 1.513 1.516 1.520 1.523	1.181 1.178 1.176 1.173 1.171 1.169 1.167	34.691 34.691 34.692 34.692 34.692 34.692 34.692	27.785 27.785 27.785 27.786 27.786 27.786 27.787 27.787	45.867 46.083 46.299 46.515 46.730 46.945 47.160 47.254	27.762 27.763 27.762 27.762 27.762 27.762 27.762 27.762 27.761	44.7 44.9 45.1 45.2 45.4 45.6 45.8 45.9	30.785 31.009 31.234 31.459 31.686 31.914 32.142 32.243	90.4 90.3 90.2 90.3 90.3 90.3 90.2	1522.7 1523.6 1524.4 1525.3 1526.2 1527.1 1527.9 1528.3	79766.9 81273.4 82790.6 84318.4 85856.8 87406.0 88966.0	1.1 6 8 -1.3 7

Station	74	Latitude	32° 23.	03'N	Longit	ude 126°	20.39'W	31	Aug 1989	GMT 0		Bottom	
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	kg/m ³	kg/m ³	10 ⁸ m ³ /kg	_	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	.0 10.0 19.9 29.9 39.8 59.8 69.8 79.7	19.184 19.175 19.142 19.218 19.235 19.070 17.499 15.880 15.800 15.294	19.184 19.173 19.139 19.213 19.228 19.061 17.489 15.870 15.787 15.280	33.528 33.534 33.573 33.626 33.672 33.677 33.607 33.538 33.691 33.645	23.851 23.858 23.897 23.918 23.949 23.996 24.330 24.654 24.789 24.867	23.851 23.902 23.984 24.049 24.123 24.213 24.592 24.961 25.141 25.264	23.858 23.858 23.896 23.917 23.994 24.328 24.651 24.787 24.864	404.3 403.9 400.6 398.9 396.3 392.2 360.6 330.0 317.3	.000 .404 .805 1.206 1.603 1.998 2.383 2.724 3.047 3.362	89.8 89.8 89.8 89.8 89.8 89.8 89.8	1518.1 1518.3 1518.4 1518.8 1519.1 1518.8 1514.3 1509.5 1509.6 1508.1	.0 2.0 8.0 18.1 32.1 50.0 71.9 97.3 126.1 158.0	57.3 13.0 66.5 21.1 75.2 805.8 220.5 48.1 149.9
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	14.289 13.416 12.769 12.003 12.275 12.330 11.785 11.263 10.557 10.478	14.274 13.401 12.753 11.987 12.257 12.311 11.764 11.242 10.536 10.456	33.507 33.317 33.241 33.437 33.560 33.594 33.569 33.597 33.656	24.977 25.057 25.135 25.227 25.327 25.413 25.542 25.618 25.765 25.825	25.420 25.545 25.669 25.807 25.952 26.257 26.380 26.574 26.679	24.974 25.054 25.132 25.223 25.323 25.409 25.615 25.761 25.821	299.8 292.4 285.1 276.4 267.2 259.4 247.2 240.0 226.1 220.6	3.667 3.964 4.253 4.535 4.807 5.070 5.323 5.566 5.797 6.020	89.9 89.8 90.1 90.4 90.6 90.6 90.8 90.7 90.8	1504.9 1502.0 1499.9 1497.4 1498.7 1499.2 1497.5 1495.9 1493.5 1493.5	193.0 231.0 271.9 315.6 362.1 411.3 463.0 517.1 573.6 632.4	99.9 71.1 76.8 35.4 111.3 50.4 85.5 148.9 41.9 28.4
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 248.8 258.8 268.7 278.6 288.6	10.172 9.642 9.258 8.885 8.649 8.478 8.377 8.248 8.092 7.926	10.149 9.619 9.234 8.861 8.624 8.453 8.351 8.220 8.064 7.897	33.698 33.768 33.840 33.893 33.937 33.967 33.976 33.987 33.992	25.910 26.054 26.173 26.274 26.344 26.395 26.418 26.473 26.502	26.810 27.002 27.167 27.315 27.432 27.528 27.597 27.671 27.744 27.820	25.906 26.050 26.169 26.270 26.341 26.341 26.414 26.468 26.468	212.6 198.9 187.7 178.2 171.6 166.9 164.9 162.4 159.9 157.2	6.238 6.443 6.639 6.821 6.995 7.165 7.331 7.494 7.655 7.814	90.9 90.8 90.8 90.8 90.8 90.8 90.8	1492.6 1490.9 1489.7 1488.6 1487.9 1487.5 1486.9 1486.5 1486.1	693.3 756.4 821.4 888.3 956.9 1027.3 1099.3 1172.9 1248.2 1325.0	144.0 51.1 198.1 86.7 60.6 33.1 17.8 12.8 -1.5 55.5
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.1 358.1 368.0 377.9 387.9	7.843 7.603 7.460 7.337 7.135 7.022 6.935 6.724 6.645 6.513	7.813 7.573 7.430 7.305 7.103 6.989 6.902 6.690 6.611 6.478	33.997 33.993 33.995 33.995 33.998 34.004 33.989 33.991 33.994	26.514 26.545 26.566 26.585 26.611 26.631 26.647 26.664 26.677 26.697	27.878 27.956 28.023 28.088 28.163 28.228 28.291 28.355 28.413 28.481	26.510 26.541 26.562 26.580 26.607 26.626 26.643 26.660 26.672 26.692	156.2 153.2 151.3 149.6 147.1 145.3 143.8 142.3 141.2 139.3	7.971 8.125 8.277 8.427 8.576 8.722 8.867 9.010 9.152 9.292	90.8 90.7 90.7 90.7 90.6 90.6 90.6 90.6	1485.9 1485.1 1484.7 1484.4 1483.8 1483.5 1482.7 1482.7 1482.5 1482.2	1403.4 1483.3 15647.7 1732.1 1818.0 1905.3 1994.0 2084.2 2175.7	54.1 11.3 17.4 15.6 12.3 15.3 32.2 9.4 23.7
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.6 427.5 437.5 447.4 457.3 467.2 477.2 487.1	6.459 6.311 6.408 6.335 6.259 6.111 5.992 5.499 5.392	6.424 6.275 6.370 6.297 6.220 6.072 5.952 5.459 5.352	34.015 34.017 34.053 34.064 34.082 34.074 34.077 34.051 34.051 34.054	26.721 26.741 26.757 26.776 26.799 26.812 26.830 26.849 26.849	28.550 28.618 28.679 28.743 28.813 28.873 28.938 29.006 29.075 29.136	26.716 26.736 26.753 26.771 26.794 26.807 26.825 26.844 26.865 26.879	137.2 135.2 133.9 132.3 130.1 128.9 127.2 125.2 123.2 121.8	9.430 9.566 9.700 9.834 9.965 10.094 10.222 10.348 10.472 10.595	90.6 90.5 90.4 90.4 90.5 90.5 90.5	1482.1 1481.7 1482.3 1482.2 1482.1 1481.6 1481.3 1480.2 1479.6 1479.4	2268.6 2362.9 2458.5 2555.4 2653.6 2753.1 2853.9 2955.9 3059.2 3163.7	21.6 23.6 14.6 17.5 26.3 7.2 12.2 13.0 19.1
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.8 526.8 536.7 546.6 556.4 576.3 586.2	5.310 5.266 5.172 5.121 5.067 4.992 4.954 4.807 4.748	5.269 5.224 5.130 5.078 5.023 4.949 4.910 4.869 4.762 4.702	34.061 34.069 34.081 34.093 34.102 34.111 34.113 34.122 34.129 34.145	26.899 26.911 26.931 26.947 26.961 26.976 26.982 26.994 27.012 27.031	29.198 29.256 29.323 29.385 29.446 29.508 29.560 29.618 29.683 29.749	26.895 26.906 26.927 26.942 26.956 26.971 26.977 26.989 27.007 27.025	120.4 119.4 117.4 116.0 114.8 113.4 112.8 111.8 110.1 108.3	10.716 10.836 10.954 11.071 11.186 11.300 11.413 11.526 11.637 11.746	90.5 90.5 90.6 90.6 90.5 90.5 90.5	1479.2 1479.2 1479.0 1479.0 1478.9 1478.8 1478.8 1478.5 1478.5	3269.4 3376.3 3484.3 3593.5 3703.9 3815.4 3928.0 4041.7 4156.5 4272.4	15.3 27.6 20.9 11.2 13.2 16.7 7.1 16.2 15.0 23.7
600.0 610.0 620.0 630.0 640.0 650.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.6 665.5 675.4 685.3	4.697 4.726 4.660 4.639 4.558 4.558 4.540 4.524 4.511	4.650 4.678 4.612 4.590 4.551 4.509 4.488 4.472 4.458	34.158 34.183 34.192 34.204 34.214 34.221 34.231 34.244 34.257 34.277	27.047 27.064 27.079 27.090 27.103 27.113 27.121 27.123 27.145 27.163	29.811 29.874 29.935 29.993 30.052 30.108 30.162 30.220 30.278 30.342	27.042 27.059 27.073 27.085 27.097 27.107 27.115 27.127 27.139 27.157	106.9 105.4 104.0 103.0 101.9 101.0 100.3 99.3 98.2 96.6	11.854 11.960 12.064 12.168 12.270 12.372 12.472 12.572 12.671 12.768	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1478.4 1478.8 1478.8 1478.8 1478.8 1478.8 1479.0 1479.0 1479.2 1479.3	4389.4 4507.4 4626.5 4746.5 4867.6 4989.7 5112.8 5236.9 5362.0 5488.0	13.5 27.3 9.1 8.5 10.6 2.1 5.3 18.2 20.6 15.6
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.2 705.2 715.0 725.0 734.9 744.8 754.7 764.6 774.5	4.510 4.494 4.506 4.501 4.510 4.460 4.422 4.413 4.390 4.357	4.456 4.440 4.451 4.444 4.453 4.402 4.364 4.354 4.330 4.296	34.290 34.295 34.310 34.324 34.336 34.345 34.348 34.359 34.363 34.368	27.173 27.179 27.190 27.201 27.210 27.223 27.223 27.229 27.239 27.245 27.252	30.398 30.449 30.506 30.563 30.617 30.677 30.729 30.785 30.837 30.890	27.168 27.173 27.184 27.195 27.204 27.217 27.223 27.233 27.238 27.246	95.8 95.3 94.4 93.4 92.8 91.0 90.2 89.7 89.0	12.865 12.960 13.055 13.149 13.242 13.334 13.425 13.516 13.606 13.695	90.5 90.5 90.5 90.5 90.5 90.5 90.4 90.4	1479.5 1479.6 1479.8 1480.0 1480.2 1480.2 1480.2 1480.3 1480.4	5615.0 5742.9 5871.7 6001.5 6132.2 6263.8 6396.3 6529.7 6664.0 6799.1	10.6 7.4 7.4 7.5 15.9 10.4 1.0 5.7
800.0 810.0 820.0 830.0 840.0 850.0 870.0 880.0 890.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.309 4.287 4.257 4.252 4.199 4.182 4.145 4.125 4.095 4.076	4.248 4.225 4.194 4.189 4.135 4.118 4.080 4.059 4.029 4.009	34.368 34.373 34.379 34.384 34.390 34.395 34.402 34.407 34.413 34.420	27.257 27.263 27.272 27.277 27.287 27.292 27.302 27.309 27.316 27.323	30.942 30.994 31.049 31.099 31.156 31.208 31.264 31.317 31.371	27.251 27.257 27.265 27.270 27.280 27.286 27.295 27.302 27.309 27.317	88.6 88.3 86.9 86.5 84.0 83.4 82.7	13.784 13.872 13.960 14.047 14.133 14.219 14.304 14.388 14.472 14.555	90.5 90.4 90.5 90.5 90.5 90.5 90.5 90.5	1480.4 1480.5 1480.5 1480.7 1480.7 1480.7 1480.7 1480.8 1480.9	6935.2 7072.1 7209.9 7348.5 7488.0 7628.3 7769.4 7911.4 8054.3 8197.9	6.3 9.9 6.6 7.25 7.5 7.5 9.9
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.0 923.0 932.8 942.7 952.6 962.5 972.4 982.3	4.059 4.047 4.035 3.987 3.963 3.941 3.889 3.846 3.838	3.991 3.978 3.965 3.917 3.893 3.870 3.843 3.816 3.773 3.765	34.424 34.438 34.439 34.446 34.453 34.460 34.464 34.467 34.467	27.329 27.333 27.339 27.348 27.356 27.364 27.373 27.379 27.386 27.390	31.475 31.525 31.577 31.633 31.687 31.741 31.796 31.848 31.902 31.952	27.322 27.326 27.332 27.341 27.349 27.357 27.366 27.372 27.378 27.383	82.3 82.0 81.5 80.6 79.9 79.2 78.4 77.9 77.3	14.638 14.720 14.802 14.883 14.963 15.042 15.121 15.199 15.277 15.354	90.5 90.5 90.4 90.5 90.4 90.5 90.5 90.5	1481.1 1481.2 1481.3 1481.3 1481.4 1481.4 1481.5 1481.5 1481.5	8342.3 8487.6 8633.6 8780.5 8928.1 9076.6 9225.8 9375.7 9526.5 9678.0	2.5 4.6 5.8 7.8 5.8 7.8 6.7 8.1

Station	74	Latitude	32° 23.0	3'N	Longitu	de 126°	20.39'W	31	Aug 1989	GMT 03	:04	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0 1180.0	992.2 1012.0 1031.8 1051.5 1071.3 1091.1 1110.8 1130.6 1170.1	3.815 3.760 3.723 3.678 3.652 3.583 3.583 3.538 3.538 3.418	3.741 3.685 3.646 3.600 3.572 3.503 3.456 3.416 3.369 3.332	34.475 34.478 34.485 34.491 34.496 34.502 34.507 34.510 34.515 34.518	27.395 27.403 27.412 27.422 27.429 27.449 27.448 27.455 27.463 27.469	32.003 32.103 32.205 32.307 32.405 32.509 32.610 32.709 32.810 32.908	27.388 27.395 27.404 27.414 27.421 27.432 27.440 27.447 27.455 27.461	76.5 75.8 75.0 74.2 73.6 72.6 71.8 71.3 70.5 70.0	15.431 15.583 15.734 15.883 16.031 16.177 16.321 16.464 16.606 16.747	90.5 90.5 90.4 90.4 90.4 90.4 90.4	1481.8 1481.9 1482.0 1482.2 1482.4 1482.5 1482.6 1482.8 1482.9 1483.1	9830.2 10136.9 10446.6 10759.2 11074.8 11393.2 11714.4 12038.5 12365.3 12694.9	7.0 4.0 6.4 2.6 8.5 9.1 7.3 1.7 4.7 5.3
1200.0 1220.0 1240.0 1260.0 1380.0 1320.0 1340.0 1360.0 1380.0	1189.9 1209.7 1229.4 1249.2 1268.9 1288.7 1308.4 1328.2 1347.9 1367.7	3.368 3.319 3.287 3.243 3.194 3.154 3.123 3.078 3.037 2.998	3.281 3.230 3.197 3.153 3.102 3.061 3.029 2.983 2.940 2.900	34.524 34.528 34.529 34.532 34.536 34.539 34.541 34.544 34.548	27.479 27.487 27.491 27.498 27.506 27.511 27.516 27.523 27.530 27.536	33.010 33.111 33.207 33.306 33.406 33.504 33.601 33.700 33.799 33.897	27.471 27.479 27.483 27.489 27.497 27.503 27.508 27.514 27.521 27.527	69.4 68.0 67.5 66.2 65.2 65.2 64.0	16.886 17.024 17.160 17.296 17.430 17.563 17.695 17.826 17.956 18.084	90.4 90.4 90.4 90.4 90.4 90.4 90.4	1483.2 1483.4 1483.6 1483.7 1483.8 1484.0 1484.2 1484.3 1484.3 1484.5	13027.2 13362.2 13699.9 14040.3 14383.3 14728.8 15077.0 15427.7 15781.0 16136.8	6.5 6.8 5.0 2.1 1.8 2.1 10.0 2.1 8.3 2.4
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.4 1407.1 1426.9 1446.6 1466.3 1486.1 1505.8 1525.5 1545.3 1565.0	2.958 2.928 2.886 2.853 2.829 2.802 2.766 2.734 2.709 2.671	2.859 2.827 2.784 2.750 2.724 2.697 2.658 2.626 2.600 2.561	34.554 34.556 34.559 34.562 34.564 34.566 34.569 34.573 34.574	27.542 27.546 27.553 27.558 27.562 27.566 27.572 27.577 27.581 27.587	33.996 34.092 34.190 34.288 34.384 34.479 34.675 34.770 34.869	27.533 27.537 27.543 27.553 27.556 27.556 27.562 27.568 27.571 27.578	63.4 63.1 62.5 62.0 61.6 61.3 60.2 59.9 59.3	18.212 18.338 18.463 18.588 18.712 18.834 18.956 19.077 19.198 19.317	90.4 90.4 90.4 90.4 90.4 90.4 90.4	1484.8 1485.0 1485.2 1485.4 1485.6 1486.0 1486.2 1486.5 1486.6	16495.1 16855.8 17219.0 17584.6 17952.7 18323.1 18695.9 19071.1 19448.6 19828.4	2.5 1.3 1.3 4.0 1.5 2.8 2.5 3.1
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.7 1604.4 1624.2 1643.9 1663.6 1683.3 1703.0 1722.7 1742.4 1762.1	2.649 2.624 2.593 2.559 2.550 2.500 2.468 2.446 2.418 2.378	2.536 2.510 2.478 2.443 2.412 2.381 2.348 2.325 2.296 2.254	34.579 34.582 34.584 34.587 34.589 34.591 34.595 34.596 34.597 34.600	27.590 27.595 27.599 27.604 27.608 27.613 27.619 27.621 27.625 27.631	34.964 35.059 35.156 35.253 35.348 35.445 35.542 35.637 35.732 35.830	27.581 27.585 27.590 27.594 27.598 27.603 27.609 27.611 27.615 27.621	59.1 58.7 58.3 57.8 57.4 56.9 56.2 55.9 55.3	19.435 19.553 19.670 19.786 19.901 20.016 20.129 20.242 20.354 20.465	90.4 90.5 90.4 90.4 90.4 90.3 90.4	1486.9 1487.1 1487.5 1487.7 1487.7 1487.9 1488.1 1488.6 1488.7	20210.6 20595.0 20981.7 21370.7 21370.7 22155.4 22551.0 22948.8 23348.9 23751.0	1.4 3.5 2.6 1.7 3.6 5.2 2.4
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.8 1801.5 1821.2 1840.9 1860.6 1880.3 1900.0 1919.7 1939.4 1959.1	2.346 2.324 2.289 2.263 2.239 2.206 2.189 2.168 2.145 2.123	2.221 2.197 2.162 2.134 2.109 2.075 2.056 2.034 2.010 1.986	34.602 34.603 34.605 34.608 34.609 34.612 34.614 34.616 34.618 34.620	27.635 27.638 27.643 27.646 27.650 27.655 27.658 27.661 27.665 27.668	35.926 36.020 36.117 36.212 36.308 36.404 36.499 36.592 36.688 36.782	27.625 27.627 27.632 27.636 27.640 27.644 27.648 27.650 27.654 27.657	54.8 54.6 54.1 53.7 53.3 52.9 52.6 52.3 52.0 51.6	20.575 20.684 20.793 20.901 21.008 21.114 21.219 21.324 21.429 21.532	90.4 90.4 90.4 90.4 90.4 90.4 90.4	1488.9 1489.2 1489.3 1489.6 1489.8 1490.0 1490.3 1490.5 1490.7 1491.0	24155.3 24561.8 24970.3 25381.0 25793.7 26208.4 26625.3 27044.1 27465.0 27887.8	2.4 1.8 1.0 2.7 2.2 3.1 3.7 1.1
2000.0 2050.0 2100.0 2150.0 2200.0 2350.0 2350.0 2400.0 2450.0	1978.8 2028.0 2077.2 2126.3 2175.5 2224.7 2273.8 2322.9 2372.1 2421.2	2.108 2.071 2.038 2.003 1.970 1.932 1.908 1.868 1.844 1.826	1.969 1.929 1.892 1.853 1.816 1.775 1.747 1.703 1.675 1.653	34.622 34.626 34.630 34.634 34.638 34.641 34.645 34.647 34.649 34.651	27.671 27.678 27.684 27.690 27.696 27.702 27.707 27.712 27.716 27.718	36.876 37.110 37.342 37.575 37.807 38.040 38.271 38.501 38.731 38.958	27.660 27.666 27.672 27.678 27.684 27.699 27.699 27.703 27.705	51.4 50.9 50.3 49.8 49.3 48.8 48.0 47.7	21.635 21.891 22.144 22.395 22.642 22.888 23.131 23.372 23.611 23.849	90.3 90.3 90.3 90.4 90.4 90.4 90.4	1491.3 1491.9 1492.6 1493.3 1494.0 1494.7 1495.5 1496.1 1496.9 1497.6	28312.7 29383.5 30466.6 31561.8 31569.0 33788.1 34918.9 36061.3 37215.2 38380.6	3.4 2.0 6 .3 1.8 1.6 3.1 1.6
2500.0 2550.0 2600.0 2700.0 2750.0 2800.0 2800.0 2900.0 2950.0	2470.3 2519.4 2569.4 2666.6 2715.6 2764.6 2813.6 2862.7 2911.7	1.800 1.773 1.754 1.730 1.711 1.688 1.677 1.653 1.639 1.624	1.623 1.592 1.569 1.541 1.518 1.490 1.475 1.446 1.428 1.409	34.653 34.655 34.658 34.660 34.663 34.664 34.666 34.667 34.669	27.723 27.727 27.730 27.734 27.737 27.740 27.743 27.746 27.748 27.751	39.187 39.416 39.644 39.872 40.098 40.326 40.550 40.777 41.002 41.227	27.710 27.713 27.717 27.720 27.722 27.726 27.728 27.731 27.733 27.735	47.2 46.8 46.6 46.3 46.1 45.8 45.7 45.3 45.2 45.1	24.086 24.321 24.554 24.787 25.018 25.247 25.476 25.704 25.704 25.931 26.157	90.4 90.4 90.4 90.3 90.4 90.4 90.4 90.4	1498.4 1499.1 1499.9 1500.6 1501.4 1502.1 1502.7 1503.7 1504.5 1505.2	39557.4 40745.6 41944.9 43155.3 44376.9 45609.5 46853.0 48107.4 49372.8 50648.9 51935.8	.3 2.1 -1.7 .7 .5 2.3 .3 2.1
3050.0	3009.6	1.602	1.378	34.671	27.755	41.675	27.739	45.0	26.608	90.3	1506.8	53233.4	1.1

Station	75	Latitude	32° 36.	51'N	Longit	ude 126°	11.63'W	31	Aug 1989	GMT 0	5:21	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m^{TF}	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 70.0 80.0	10.0 19.9 29.9 39.9 49.8 59.8 69.8 79.7	18.640 18.645 18.643 18.331 18.078 16.571 15.932 15.415 14.697 13.314	18.640 18.643 18.640 18.326 18.071 16.563 15.922 15.405 14.686 13.302	33.294 33.293 33.293 33.217 33.473 33.448 33.545 33.595 33.519 33.255	23.809 23.809 23.828 24.087 24.426 24.647 24.801 24.899 24.981	23.809 23.851 23.896 23.959 24.261 24.645 24.910 25.109 25.109 25.252 25.382	23.809 23.807 23.808 23.827 24.085 24.424 24.645 24.799 24.799 24.979	408.3 408.7 409.0 407.4 383.1 351.0 330.3 315.9 306.8 299.0	.000 .408 .817 1.225 1.625 1.992 2.333 2.655 2.965 3.267	89.8 89.8 89.7 89.6 89.7 89.8 90.0 90.0	1516.3 1516.5 1516.6 1515.8 1515.5 1511.2 1509.5 1508.1 1505.9 1501.2	2.0 8.1 18.3 32.6 50.6 72.2 97.0 125.0	-1.6 .3 .6.3 373.1 288.9 232.8 179.8 45.2 79.2
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.6 109.6 119.5 129.5 139.4 149.4 159.3 169.3 179.2 189.2	12.195 11.820 11.605 11.260 10.843 10.423 9.913 9.571 9.297 9.302	12.182 11.806 11.590 11.244 10.826 10.405 9.895 9.552 9.278 9.281	33.144 33.148 33.214 33.276 33.347 33.386 33.431 33.504 33.609 33.722	25.114 25.187 25.279 25.389 25.519 25.623 25.744 25.858 26.073	25.560 25.680 25.816 25.973 26.148 26.298 26.466 26.626 26.626 26.932	25.111 25.185 25.276 25.387 25.517 25.620 25.742 25.855 25.855 26.070	286.5 279.6 271.1 260.7 248.5 238.8 227.3 216.6 196.6	3.560 3.843 4.119 4.384 4.638 4.881 5.114 5.335 5.547 5.747	90.1 90.3 90.4 90.6 90.7 90.7 90.9 90.8 90.7	1497.4 1496.3 1495.8 1494.8 1493.6 1492.3 1490.7 1489.7 1488.9 1489.3	190.0 226.9 266.5 308.8 353.7 401.1 450.8 502.8 556.9 613.0	108.3 100.9 134.3 100.5 72.4 67.9 167.9 34.1 116.9 57.8
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 228.9 238.9 248.8 258.7 268.7 278.6 288.5	9.115 8.708 8.585 8.498 8.319 8.152 8.028 7.847 7.734 7.597	9.094 8.686 8.563 8.475 8.294 8.127 8.002 7.707 7.569	33.775 33.847 33.911 33.929 33.948 33.967 33.974 33.988 33.989 33.993	26.145 26.265 26.334 26.362 26.404 26.468 26.506 26.523 26.546	27.049 27.217 27.331 27.405 27.580 27.650 27.734 27.797 27.866	26.141 26.261 26.330 26.358 26.400 26.440 26.464 26.502 26.519 26.542	189.9 178.6 172.2 169.7 165.8 162.1 159.9 154.9 154.9	5.941 6.125 6.300 6.471 6.638 6.803 6.964 7.122 7.277 7.431	90.7 90.8 90.7 90.7 90.8 90.7 90.8 90.8 90.8	1488.8 1487.5 1487.3 1487.2 1486.7 1486.2 1485.9 1485.4 1485.1 1484.8	671.1 731.1 792.8 856.3 921.4 988.2 1056.5 1126.5 1198.0 1271.0	61.3 77.6 36.6 59.7 18.7 44.7 40.3 34.7 8.3 27.3
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0	298.5 308.4 318.3 328.2 338.2 348.1 358.0 368.0 377.9 387.8	7.489 7.349 7.136 6.922 6.830 6.737 6.641 6.395 6.230 6.147	7.460 7.319 7.106 6.892 6.798 6.705 6.609 6.362 6.197 6.113	33.993 33.990 33.990 33.991 33.994 34.004 33.993 33.998 34.003	26.562 26.580 26.609 26.639 26.654 26.668 26.688 26.710 26.736 26.751	27.928 27.993 28.069 28.146 28.208 28.268 28.333 28.404 28.477 28.538	26.558 26.605 26.605 26.635 26.664 26.683 26.706 26.732 26.747	151.4 149.7 147.0 144.2 142.8 141.6 139.9 137.6 135.2 133.9	7.583 7.734 7.882 8.028 8.171 8.314 8.454 8.593 8.729 8.864	90.7 90.7 90.7 90.7 90.6 90.6 90.6 90.6	1484.5 1484.1 1483.5 1482.8 1482.6 1482.4 1482.2 1481.4 1480.9 1480.7	1345.6 1421.7 1499.2 1578.2 1658.6 1740.4 1823.7 1994.2 2081.5	19.1 12.1 43.4 3.8 18.7 37.5 15.8 28.3 8.4 18.6
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.7 407.6 417.6 427.5 437.4 447.3 467.2 477.1 487.0	6.036 5.977 5.930 5.809 5.759 5.729 5.688 5.636 5.582	6.001 5.942 5.894 5.773 5.722 5.650 5.596 5.596 5.542 5.475	34.011 34.022 34.047 34.048 34.063 34.073 34.083 34.096 34.106 34.111	26.771 26.788 26.813 26.829 26.847 26.859 26.872 26.872 26.903 26.915	28.605 28.668 28.739 28.802 28.867 28.924 28.983 29.106 29.106	26.767 26.783 26.809 26.825 26.843 26.854 26.867 26.883 26.898 26.910	132.0 130.5 128.2 126.7 125.1 124.1 123.0 121.5 120.2 119.1	8.997 9.128 9.257 9.385 9.511 9.635 9.759 9.881 10.002	90.6 90.7 90.6 90.6 90.5 90.5 90.5	1480.4 1480.4 1480.1 1480.1 1480.1 1480.1 1480.1 1480.1 1480.0 1479.9	2170.2 2260.1 2351.3 2443.8 2537.6 2632.5 2728.7 2826.2 2924.8 3024.6	21.2 29.4 10.1 13.6 7.1 18.9 12.4 10.4 2.5 11.8
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	496.9 506.9 516.8 526.7 536.6 546.5 556.4 566.3 576.3	5.489 5.467 5.415 5.415 5.286 5.261 5.137 5.127 5.021	5.448 5.424 5.372 5.371 5.273 5.241 5.215 5.091 5.080 4.974	34.124 34.138 34.145 34.158 34.162 34.172 34.189 34.191 34.200 34.196	26.928 26.942 26.954 26.964 26.979 26.991 27.007 27.023 27.032 27.041	29.225 29.284 29.343 29.399 29.461 29.518 29.580 29.644 29.698 29.755	26.923 26.937 26.949 26.959 26.974 26.986 27.002 27.018 27.027 27.036	117.9 116.7 115.6 114.8 113.4 110.9 109.4 108.7 107.7	10.240 10.358 10.474 10.589 10.703 10.816 10.928 11.038 11.147 11.255	90.7 90.5 90.6 90.5 90.5 90.5 90.5 90.5	1480.0 1480.1 1480.1 1480.2 1480.0 1480.1 1479.8 1479.9 1479.7	3125.6 3227.7 3331.0 3435.4 3541.0 3647.7 3755.5 3864.4 3974.3 4085.3	16.5 14.2 9.2 13.6 11.8 12.4 16.8 11.5 7.4
600.0 610.0 620.0 630.0 640.0 650.0 660.0 680.0 690.0	596.1 606.0 615.9 625.8 635.7 645.6 655.5 665.5 675.4 685.3	4.904 4.830 4.752 4.767 4.778 4.736 4.731 4.575 4.519	4.856 4.782 4.703 4.718 4.728 4.685 4.679 4.523 4.467 4.525	34.199 34.203 34.203 34.222 34.241 34.250 34.263 34.263 34.262 34.262	27.056 27.068 27.077 27.091 27.105 27.116 27.127 27.138 27.150 27.160	29.817 29.876 29.932 29.991 30.050 30.108 30.165 30.225 30.283 30.337	27.051 27.063 27.072 27.085 27.099 27.111 27.121 27.133 27.144 27.154	106.3 105.1 104.3 103.2 102.0 100.0 98.8 97.8 97.8	11.362 11.467 11.572 11.676 11.779 11.880 11.980 12.080 12.178 12.276	90.5 90.6 90.5 90.6 90.5 90.5 90.5 90.5	1479.3 1479.2 1479.1 1479.3 1479.5 1479.5 1479.7 1479.2 1479.2	4197.4 4310.6 4424.8 4540.0 4656.2 4773.4 4891.6 5010.8 5131.0 5252.1	13.6 2.1 2.1 10.0 15.0 19.7 13.0 7
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.2 705.1 715.0 724.9 734.8 744.7 754.6 764.5 774.4 784.3	4.590 4.590 4.548 4.506 4.456 4.409 4.320 4.294 4.186 4.208	4.536 4.535 4.492 4.450 4.399 4.351 4.262 4.235 4.127 4.148	34.300 34.313 34.320 34.324 34.328 34.330 34.336 34.341 34.337	27.172 27.183 27.193 27.201 27.210 27.217 27.231 27.237 27.246 27.255	30.395 30.452 30.508 30.562 30.618 30.671 30.733 30.785 30.842 30.896	27.166 27.177 27.187 27.195 27.204 27.211 27.224 27.231 27.239 27.248	93.5 92.7 92.0 90.7 90.1 89.2	12.373 12.468 12.563 12.656 12.750 12.842 12.933 13.024 13.113 13.202	90.5 90.7 90.6 90.4 90.5 90.5 90.5 90.5	1479.8 1480.0 1480.0 1480.0 1480.0 1479.9 1479.7 1479.8 1479.5	5374.2 5497.3 5621.2 5746.1 5871.9 5998.7 6126.3 6254.8 6384.2 6514.5	12.4 11.0 6.3 9.8 10.7 4.8 10.6 11.8 5.1 7.7
800.0 810.0 820.0 840.0 850.0 860.0 870.0 880.0	794.2 804.1 814.0 823.9 833.8 843.7 853.6 863.5 873.4 883.3	4.173 4.158 4.126 4.116 4.094 4.071 4.047 4.020 3.993 3.980	4-113 4-097 4-064 4-054 4-030 4-007 3-982 3-955 3-927 3-913	34.361 34.365 34.372 34.379 34.386 34.399 34.399 34.403 34.408	27.266 27.271 27.280 27.287 27.294 27.303 27.310 27.316 27.323 27.328	30.954 31.005 31.060 31.112 31.166 31.221 31.274 31.327 31.379 31.430	27.260 27.265 27.274 27.280 27.288 27.296 27.303 27.310 27.316 27.321	87.1 86.2 85.7 85.0 84.3 83.7 83.1	13.290 13.377 13.464 13.550 13.635 13.720 13.804 13.887 13.970 14.053	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1479.8 1479.9 1480.0 1480.1 1480.2 1480.3 1480.3 1480.4 1480.4	6645.6 6777.7 6910.5 7044.2 7178.8 7314.2 7450.4 7587.4 7725.3 7863.9	11.2 4.5 9.5 8.6 11.0 3.1 6.9 8.6
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.2 903.1 913.0 922.9 932.8 942.7 952.6 962.5 972.3 982.2	3.945 3.922 3.880 3.858 3.847 3.833 3.806 3.797 3.766 3.743	3.878 3.854 3.812 3.789 3.777 3.762 3.735 3.726 3.694 3.670	34.418 34.429 34.433 34.436 34.440 34.444 34.451 34.454 34.458	27.336 27.343 27.351 27.357 27.361 27.365 27.371 27.377 27.383 27.389	31.485 31.539 31.593 31.645 31.694 31.797 31.849 31.902 31.953	27.329 27.337 27.344 27.350 27.353 27.358 27.364 27.370 27.376 27.382	80.7 80.0 79.5 79.3 78.9 78.3 77.9	14.134 14.215 14.296 14.376 14.455 14.534 14.613 14.691 14.768 14.845	90.5 90.5 90.4 90.5 90.5 90.5 90.5 90.5	1480.6 1480.7 1480.6 1480.7 1480.8 1481.0 1481.0 1481.2 1481.2	8003.4 8143.7 8284.7 8426.5 8569.2 8712.6 8856.7 9001.7 9147.4 9293.8	6.0 6.3 9.2 4.6 3.7 10.5 9.3 4.3 5.8

Station	75	Latitude	32. 36.51	l'N	Longitu	de 126°	11.63'W	31	Aug 1989	GMT 06	:21	.Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma -0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0 1120.0 1140.0 1160.0	992.1 1011.9 1031.7 1051.4 1071.2 1091.0 1110.8 1130.5 1150.3 1170.1	3.711 3.664 3.622 3.571 3.508 3.464 3.426 3.382 3.341 3.301	3.637 3.589 3.546 3.493 3.385 3.385 3.345 3.258 3.217	34.461 34.469 34.475 34.481 34.486 34.492 34.498 34.503 34.507	27.394 27.405 27.415 27.425 27.435 27.444 27.452 27.460 27.467 27.475	32.005 32.108 32.210 32.313 32.415 32.517 32.617 32.718 32.817 32.917	27.387 27.398 27.407 27.417 27.427 27.436 27.444 27.452 27.459 27.467	76.3 75.3 74.5 73.6 72.7 71.9 71.2 70.4 69.8 69.2	14.922 15.073 15.224 15.372 15.518 15.663 15.806 15.947 16.088 16.227	90.5 90.4 90.4 90.4 90.4 90.4 90.4	1481.3 1481.4 1481.6 1481.7 1481.8 1481.9 1482.1 1482.3 1482.4 1482.6	9441.0 9737.7 10037.3 10339.8 10645.2 10953.4 11264.5 11578.3 11894.9 12214.2	8.7 6.1 2.6 7.8 7.5 2.3 7.0 3.2 5.5
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0 1380.0	1189.8 1209.6 1229.3 1249.1 1268.8 1288.6 1308.3 1328.1 1347.8 1367.6	3.261 3.222 3.184 3.152 3.116 3.075 3.042 3.013 2.974 2.927	3.175 3.135 3.095 3.062 3.025 2.983 2.949 2.918 2.878 2.830	34.516 34.521 34.525 34.528 34.533 34.535 34.538 34.542 34.542	27.483 27.490 27.497 27.503 27.510 27.516 27.521 27.527 27.533 27.540	33.017 33.117 33.216 33.314 33.413 33.511 33.609 33.706 33.805 33.904	27.475 27.482 27.488 27.495 27.507 27.513 27.518 27.524 27.531	68.5 67.8 67.2 66.1 65.5 65.1 64.6 63.3	16.364 16.500 16.635 16.769 16.902 17.034 17.164 17.294 17.423 17.550	90.4 90.5 90.5 90.4 90.4 90.5 90.4	1482.8 1482.9 1483.1 1483.3 1483.5 1483.7 1483.9 1484.1 1484.2 1484.4	12536.2 12860.9 13188.2 13518.2 13850.7 14185.9 14523.6 14863.8 15206.5 15551.8	8.2 5.7 5.5 2.1 3.6 6.8 1.8
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0	1387.3 1407.1 1426.8 1446.5 1466.3 1486.0 1505.7 1525.5 1545.2 1564.9	2.890 2.850 2.818 2.780 2.716 2.684 2.656 2.631 2.605	2.792 2.750 2.717 2.681 2.646 2.611 2.578 2.549 2.522 2.495	34.552 34.555 34.558 34.561 34.567 34.570 34.573 34.574 34.576	27.546 27.552 27.558 27.563 27.569 27.574 27.580 27.584 27.587 27.587	34.003 34.101 34.199 34.297 34.393 34.491 34.589 34.685 34.780 34.876	27.538 27.544 27.549 27.555 27.559 27.565 27.571 27.575 27.578 27.582	62.8 62.2 61.7 61.2 60.7 69.7 59.3 59.0 58.6	17.676 17.801 17.925 18.048 18.170 18.291 18.410 18.529 18.648 18.765	90.4 90.5 90.4 90.4 90.4 90.4 90.4	1484.5 1484.7 1484.9 1485.1 1485.5 1485.7 1485.9 1486.1 1486.3	15899.5 16249.6 16602.2 16957.2 17314.5 17674.2 18036.3 18400.6 18767.3 19136.3	3.6 2.2 3.3 2.8 4.2 1.3 2.5 3.7 2.5
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0	1584.6 1604.3 1624.1 1643.8 1663.5 1683.2 1702.9 1722.6 1742.3 1762.0	2.575 2.548 2.513 2.483 2.457 2.425 2.403 2.378 2.349 2.325	2.464 2.435 2.399 2.368 2.341 2.308 2.284 2.257 2.228 2.202	34.579 34.581 34.584 34.586 34.589 34.591 34.593 34.595 34.597 34.600	27.596 27.600 27.606 27.611 27.615 27.619 27.623 27.627 27.631 27.635	34.972 35.068 35.166 35.262 35.359 35.454 35.550 35.645 35.741 35.836	27.587 27.591 27.596 27.601 27.605 27.609 27.613 27.617 27.621 27.625	58.2 57.9 57.3 56.9 56.5 56.1 55.4 55.4	18.882 18.999 19.114 19.228 19.341 19.566 19.577 19.787	90.4 90.4 90.4 90.4 90.4 90.4 90.4	1486.5 1486.8 1487.0 1487.2 1487.6 1487.6 1487.8 1488.1 1488.3 1488.5	19507.5 19881.0 20256.8 20634.8 21014.9 21397.3 21781.9 22168.6 22557.4 22948.4	1.7 3.7 4.6 1.4 2.0 1.4 -1.8 3.2 .0
1800.0 1840.0 1840.0 1860.0 1980.0 1920.0 1940.0 1940.0 1960.0	1781.7 1801.4 1821.1 1840.8 1860.5 1880.2 1899.9 1919.6 1939.3 1959.0	2.298 2.280 2.260 2.231 2.204 2.179 2.157 2.139 2.121 2.098	2.174 2.154 2.133 2.103 2.075 2.048 2.025 2.006 1.986 1.961	34.602 34.604 34.606 34.608 34.611 34.613 34.615 34.617 34.619 34.621	27.639 27.642 27.646 27.649 27.654 27.658 27.661 27.664 27.667	35.932 36.027 36.121 36.217 36.314 36.408 36.503 36.597 36.691 36.787	27.629 27.632 27.635 27.639 27.644 27.651 27.654 27.657 27.660	54.2 53.9 53.7 53.3 52.8 52.5 52.1 51.9 51.6 51.2	20.006 20.114 20.221 20.328 20.434 20.540 20.644 20.748 20.852 20.954	90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4	1488.7 1489.0 1489.2 1489.4 1489.7 1489.9 1490.1 1490.4 1490.6 1490.9	23341.5 23736.7 24134.0 24533.3 24934.7 25338.2 25743.7 26151.2 26560.7 26972.2	1.2 1.8 1.6 3.9 2.2 3.1 1.9 1.7
2000.0 2050.0 2100.0 2150.0 2200.0 2300.0 2350.0 2400.0 2450.0	1978.7 2027.9 2077.1 2126.2 2175.4 2224.6 2273.7 2322.8 2372.0 2421.1	2.078 2.040 2.000 1.963 1.928 1.895 1.870 1.840 1.817	1.940 1.898 1.854 1.814 1.775 1.738 1.709 1.676 1.649	34.623 34.627 34.632 34.636 34.639 34.642 34.645 34.647 34.650 34.652	27.675 27.681 27.688 27.694 27.700 27.705 27.710 27.714 27.718 27.722	36.882 37.114 37.349 37.582 37.814 38.046 38.276 38.506 38.735 38.964	27.664 27.669 27.677 27.683 27.688 27.698 27.701 27.706 27.709	50.9 50.4 49.7 49.2 48.7 48.3 47.9 47.6 47.3	21.057 21.310 21.561 21.808 22.053 22.295 22.536 22.774 23.011 23.247	90.4 90.4 90.3 90.4 90.3 90.4 90.3	1491.1 1491.8 1492.5 1493.2 1493.6 1494.6 1495.3 1496.0 1496.8	27385.7 28427.9 29482.4 30548.8 31627.0 32717.0 33818.6 34931.7 36056.2 37192.1	2.8 1.1 1.1 2.1 .6 1.9 1.3
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2900.0	2470.2 2519.3 2568.3 2617.4 2666.4 2715.5 2764.5 2813.5 2862.5 2911.5	1.771 1.748 1.721 1.701 1.683 1.672 1.653 1.636 1.623	1.595 1.568 1.537 1.512 1.490 1.475 1.452 1.430 1.413 1.397	34.655 34.657 34.659 34.661 34.663 34.664 34.666 34.668 34.668	27.726 27.730 27.733 27.737 27.741 27.742 27.746 27.749 27.750 27.752	39.193 39.421 39.649 39.877 40.104 40.329 40.555 40.781 41.006 41.230	27.713 27.716 27.720 27.723 27.726 27.728 27.731 27.733 27.735 27.737	46.7 46.4 46.1 45.8 45.6 45.5 45.3 45.1 45.0	23.481 23.714 23.945 24.175 24.403 24.631 24.858 25.084 25.309 25.534	90.4 90.4 90.4 90.4 90.4 90.4 90.4	1498.2 1499.0 1499.7 1500.5 1501.3 1502.0 1502.8 1503.6 1504.4 1505.2	38339.2 39497.6 40667.0 41847.5 43039.0 44241.3 45454.6 46678.6 47913.5 49159.1	1.5 1.8 1.0 7 1 2.0 1.1 1.2
3000.0 3050.0 3100.0 3142.0	2960.5 3009.5 3058.5 3099.6	1.599 1.587 1.577 1.570	1.380 1.364 1.349 1.337	34.671 34.673 34.674 34.674	27.755 27.757 27.759 27.761	41.454 41.679 41.902 42.089	27.739 27.741 27.742 27.744	44.8 44.7 44.6 44.6	25.758 25.982 26.205 26.392	90.4 90.4 90.4 90.4	1506.0 1506.8 1507.6 1508.3	50415.4 51682.4 52960.0 54041.4	-1.0 4 .5

Station	76	Latitude	32° 27.	27'N	Longit	ude 125°	49.07'W	31	Aug 1989	GMT 1	0:08	Bottom	4300 m
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.8 59.8 69.8 79.7	18.232 18.231 18.157 18.142 18.285 16.316 15.159 13.594 12.420 11.431	18.232 18.229 18.154 18.137 18.278 16.308 15.150 13.584 12.410 11.420	33.174 33.178 33.179 33.372 33.169 33.192 33.123 33.070 33.056	23.819 23.819 23.840 23.845 23.958 24.270 24.546 24.823 25.187	23.819 23.863 23.927 23.927 24.133 24.490 24.811 25.134 25.370 25.590	23.819 23.819 23.839 23.844 23.957 24.268 24.264 24.821 25.011 25.185	407.3 407.6 406.0 405.8 395.4 365.9 339.8 313.5 295.5 279.1	.000 .407 .815 1.221 1.624 2.007 2.359 2.687 2.991 3.279	89.6 89.5 89.4 89.2 89.4 89.3 89.4 89.8 90.0	1515.0 1515.2 1515.2 1516.0 1510.1 1506.7 1501.7 1497.8 1494.5	.0 2.0 8.1 18.3 32.5 50.6 72.3 97.5 125.8 157.0	.0 1.7 21.2 7 224.7 475.0 138.7 177.4 118.6 190.7
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.6 109.6 119.5 129.5 139.4 149.4 159.3 169.3 179.2 189.1	10.923 10.784 10.898 10.606 10.309 10.203 9.991 9.538 9.402 9.102	10.911 10.771 10.883 10.591 10.292 10.186 9.972 9.519 9.382 9.082	33.095 33.237 33.407 33.444 33.456 33.572 33.653 33.700 33.773 33.829	25.309 25.444 25.557 25.637 25.806 25.906 25.906 26.017 26.097 26.189	25.758 25.939 26.096 26.221 26.327 26.482 26.627 26.785 26.910 27.049	25.306 25.442 25.554 25.634 25.694 25.803 25.902 26.014 26.093 26.186	267.7 255.0 244.6 237.1 231.5 221.4 212.1 201.6 194.2 185.5	3.552 3.813 4.063 4.304 4.538 4.764 4.982 5.188 5.386 5.575	90.2 90.4 90.3 90.4 90.6 90.5 90.4 90.4	1492.9 1492.8 1493.5 1492.7 1491.8 1491.7 1491.2 1489.8 1489.5 1488.7	191.0 227.7 266.9 308.5 352.5 398.7 447.2 497.8 550.3 604.8	128.5 151.7 124.2 48.3 63.8 79.9 133.1 70.4 72.7 98.4
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.0 219.0 228.9 238.8 248.8 258.7 268.6 278.6 288.5	8.861 8.794 8.539 8.251 8.130 6.059 7.950 7.785 7.480 7.278	8.840 8.772 8.516 8.228 8.106 8.034 7.924 7.758 7.453 7.251	33.908 33.956 33.957 33.964 33.992 34.008 34.019 34.015 33.995 33.994	26.288 26.337 26.377 26.426 26.466 26.490 26.514 26.536 26.565 26.592	27.194 27.288 27.375 27.471 27.557 27.626 27.697 27.765 27.840 27.915	26.285 26.333 26.374 26.423 26.463 26.511 26.511 26.532 26.561 26.588	176.2 171.8 168.0 163.5 159.8 157.7 155.5 150.8 148.2	5.756 5.929 6.100 6.265 6.426 6.585 6.741 6.741 7.048 7.198	90.4 90.5 90.5 90.6 90.6 90.6 90.6	1488.0 1488.0 1487.2 1486.3 1486.0 1485.9 1485.7 1485.2 1484.2 1483.5	661.1 719.2 779.0 840.4 903.5 968.1 1034.3 1102.0 1171.3 1242.0	65.6 5.6 35.7 17.5 27.4 28.3 3.4 25.0 28.8 29.0
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.4 308.4 318.3 328.2 338.1 348.1 358.0 367.9 377.9 387.8	7.151 7.045 6.989 6.861 6.825 6.529 6.526 6.514 6.328 6.274	7.123 7.017 6.959 6.831 6.794 6.493 6.493 6.481 6.295 6.240	34.002 34.005 34.014 34.013 34.028 34.010 34.035 34.051 34.049 34.056	26.616 26.633 26.648 26.664 26.706 26.727 26.741 26.764 26.777	27.985 28.048 28.109 28.172 28.235 28.308 28.374 28.504 28.563	26.612 26.629 26.644 26.660 26.677 26.702 26.723 26.737 26.760 26.772	146.1 144.6 143.3 141.8 140.3 137.8 136.0 134.8 132.7	7.345 7.490 7.634 7.777 7.918 8.056 8.193 8.329 8.363 8.595	90.6 90.5 90.5 90.5 90.4 90.4 90.5 90.5	1483.2 1483.0 1482.9 1482.6 1481.6 1481.8 1481.9 1481.3 1481.3	1314.2 1387.9 1463.0 1539.5 1617.4 1696.7 1777.3 1859.3 1942.7 2027.3	18.2 13.5 24.0 15.5 31.3 20.7 12.2 28.9 13.4
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.7 407.6 417.5 427.5 437.4 447.2 467.2 467.2	6.127 5.983 5.848 5.819 5.825 5.739 5.637 5.546 5.533	6.093 5.947 5.813 5.783 5.788 5.701 5.598 5.507 5.493 5.495	34.056 34.052 34.061 34.069 34.093 34.102 34.109 34.114 34.123 34.144	26.795 26.810 26.835 26.844 26.863 26.881 26.898 26.913 26.922 26.938	28.628 28.691 28.762 28.817 28.881 28.945 29.010 29.072 29.126 29.188	26.790 26.806 26.830 26.840 26.858 26.876 26.894 26.998 26.917 26.934	129.8 128.4 126.1 125.3 123.7 122.1 120.4 119.0 118.3 116.9	8.725 8.854 8.981 9.107 9.231 9.354 9.475 9.714 9.832	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1480.9 1480.4 1480.1 1480.3 1480.2 1479.9 1479.7 1480.1	2113.3 2200.5 2289.0 2378.7 2561.9 2655.3 2749.9 2845.6 2942.6	23.6 21.5 10.1 11.5 17.7 12.4 10.7 15.9 3.9
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0	496.9 506.8 516.8 526.7 536.6 546.4 556.4 556.3 576.2	5.470 5.326 5.068 4.970 4.998 4.985 4.929 4.781 4.888 4.835	5.428 5.285 5.026 4.928 4.956 4.941 4.885 4.736 4.842 4.789	34.153 34.146 34.117 34.121 34.139 34.158 34.173 34.172 34.199 34.209	26.953 26.965 26.972 26.987 26.998 27.015 27.033 27.049 27.059 27.073	29.250 29.309 29.366 29.427 29.483 29.546 29.611 29.674 29.729 29.789	26.948 26.960 26.968 26.982 26.993 27.010 27.028 27.044 27.054 27.068	115.5 114.3 113.5 112.1 111.2 109.7 108.1 106.5 105.8 104.5	9.948 10.063 10.176 10.289 10.401 10.511 10.620 10.727 10.833 10.936	90.5 90.6 90.6 90.6 90.6 90.6 90.5	1480.0 1479.5 1478.6 1478.4 1478.8 1478.8 1478.8 1478.3 1478.3 1478.9	3040.7 3139.9 3240.2 3341.7 3548.0 3652.7 3758.5 3865.4 3973.3	18.6 19.4 3.3 4.7 17.9 15.9 18.8 10.9 25.0 23.2
600.0 610.0 620.0 630.0 640.0 650.0 670.0 680.0 690.0	596.1 606.0 615.9 625.8 635.7 645.6 655.5 665.4 675.3 685.3	4.808 4.761 4.609 4.541 4.516 4.492 4.460 4.460 4.412 4.396	4.761 4.714 4.561 4.492 4.467 4.442 4.410 4.360 4.344	34.219 34.226 34.221 34.227 34.241 34.253 34.264 34.273 34.281 34.288	27.083 27.094 27.107 27.119 27.133 27.145 27.157 27.165 27.165 27.176	29.845 29.903 29.964 30.023 30.083 30.142 30.200 30.253 30.311 30.364	27.077 27.089 27.101 27.114 27.128 27.140 27.152 27.159 27.171 27.178	103.7 102.6 101.3 100.1 98.9 97.8 96.8 96.2 95.1 94.5	11.042 11.146 11.247 11.348 11.448 11.546 11.643 11.740 11.835 11.930	90.6 90.6 90.6 90.5 90.5 90.5 90.5	1479.0 1479.0 1478.5 1478.4 1478.5 1478.6 1478.6 1478.8 1478.8	4082.2 4192.2 4303.2 4415.1 4528.1 4642.0 4756.9 4872.7 4872.7 4989.5 5107.2	8.6 15.9 16.7 9.7 15.8 12.6 5.3 8.5 13.2 3.0
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.2 705.1 715.0 724.9 734.8 744.7 754.6 764.5 774.4 784.3	4.373 4.347 4.333 4.317 4.283 4.256 4.232 4.216 4.188 4.174	4.320 4.293 4.278 4.261 4.227 4.199 4.175 4.158 4.129 4.115	34.296 34.304 34.315 34.325 34.332 34.340 34.346 34.351 34.358 34.361	27.193 27.202 27.212 27.222 27.231 27.241 27.248 27.254 27.262 27.266	30.420 30.475 30.531 30.587 30.643 30.698 30.751 30.803 30.858 30.908	27.187 27.196 27.206 27.216 27.226 27.234 27.242 27.248 27.256 27.260	93.7 92.9 92.0 91.2 90.3 89.5 88.4 87.7	12.024 12.118 12.210 12.302 12.392 12.482 12.571 12.660 12.748 12.835	90.6 90.5 90.6 90.5 90.5 90.5 90.5 90.5	1478.9 1479.0 1479.1 1479.2 1479.2 1479.3 1479.4 1479.5 1479.5	5225.9 5345.5 5466.0 5587.3 5709.6 5832.8 5956.9 6081.8 6207.6 6334.2	5.3 8.8 14.7 6.2 7.7 10.3 8.9 8.0 5.7
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.2 804.1 814.0 823.9 833.8 843.7 853.6 863.5 873.4 883.3	4.159 4.146 4.115 4.108 4.070 4.070 4.032 4.017 4.022 4.015	4.099 4.085 4.054 4.045 4.008 4.006 3.967 3.952 3.956 3.948	34.368 34.374 34.383 34.391 34.395 34.407 34.407 34.412 34.417	27.273 27.279 27.290 27.297 27.304 27.308 27.318 27.324 27.327	30.961 31.013 31.070 31.123 31.177 31.225 31.283 31.334 31.383 31.435	27.267 27.273 27.284 27.290 27.298 27.301 27.312 27.317 27.320 27.327	85.3 84.7 84.1 83.9 82.9 82.4 82.2	12.922 13.009 13.095 13.180 13.264 13.348 13.431 13.514 13.597 13.678	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1479.8 1479.9 1479.9 1480.1 1480.1 1480.3 1480.3 1480.4 1480.6 1480.7	6461.8 6590.1 6719.3 6849.4 6980.3 7112.0 7244.5 7377.9 7512.0 7647.0	1.0 11.2 4.8 8.3 4.8 11.6 9.2 5.4 7.5
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0 990.0	893.2 903.1 913.0 922.8 932.7 942.6 952.5 962.4 972.3 982.2	3.999 3.931 3.897 3.911 3.859 3.812 3.787 3.771 3.725 3.703	3.932 3.864 3.829 3.841 3.789 3.742 3.716 3.700 3.653 3.631	34.438 34.448 34.448 34.448 34.448 34.452 34.457 34.458 34.460	27.346 27.352 27.357 27.364 27.369 27.373 27.379 27.385 27.390 27.394	31.493 31.547 31.598 31.650 31.702 31.753 31.805 31.857 31.909 31.959	27.339 27.345 27.350 27.357 27.361 27.366 27.372 27.378 27.383 27.387	80.0 79.5 79.0 78.5 78.1 77.6	13.759 13.840 13.920 13.999 14.078 14.156 14.234 14.311 14.388 14.464	90.5 90.5 90.4 90.4 90.5 90.5 90.5	1480.8 1480.7 1480.7 1481.0 1480.9 1480.9 1480.9 1481.1 1481.0	7782.7 7919.3 8056.6 8194.7 8333.6 8473.3 8613.7 8754.9 8896.8 9039.5	9.5 8.4 5.1 3.1 10.7 1.9 2.8 7.8 2.5 4.3

Station	76	Latitude	32 27.	27'N	Longitu	ide 125°	49.07'W	31	Aug 1989	GMT 1	0:08	Bottom	4300 m
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1120.0 1140.0 1160.0	992.1 1011.9 1031.7 1051.4 1071.2 1091.0 1110.7 1130.5 1150.3 1170.0	3.668 3.646 3.595 3.5508 3.483 3.452 3.439 3.392 3.321	3.595 3.571 3.519 3.473 3.430 3.403 3.371 3.357 3.359 3.236	34.464 34.469 34.475 34.481 34.488 34.502 34.501 34.511 34.518 34.517	27.401 27.407 27.417 27.426 27.437 27.445 27.453 27.461 27.472 27.477	32.013 32.111 32.213 32.315 32.417 32.518 32.618 32.618 32.717 32.820 32.919	27.393 27.400 27.410 27.419 27.429 27.437 27.445 27.453 27.464 27.469	75.6 75.1 74.2 73.4 72.5 71.8 71.1 70.5 69.5	14.540 14.691 14.840 14.987 15.133 15.278 15.420 15.562 15.702	90.55 90.55 90.54 90.54 90.55 90.55	1481.1 1481.5 1481.6 1481.8 1482.0 1482.2 1482.7 1482.7	9182.9 9472.0 9764.1 10059.0 10356.8 10657.4 10960.9 11267.1 11576.1	11.9 3.1 4.0 6.4 4.6 3.8 2.0 3.8 7.9 4.7
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0 1380.0	1189.8 1209.6 1229.3 1249.1 1268.8 1288.6 1308.3 1328.1 1347.8 1367.6	3.269 3.234 3.190 3.155 3.112 3.099 3.078 3.042 3.012 2.979	3.183 3.147 3.102 3.066 3.021 3.006 2.984 2.946 2.916 2.881	34.520 34.523 34.527 34.530 34.535 34.546 34.549 34.551 34.553	27.485 27.490 27.498 27.504 27.512 27.518 27.525 27.530 27.535 27.539	33.020 33.117 33.217 33.315 33.415 33.513 33.611 33.708 33.805 33.902	27.477 27.482 27.490 27.503 27.509 27.516 27.521 27.526 27.531	68.3 67.1 66.6 65.9 65.4 64.9 64.0 63.6	15.978 16.114 16.249 16.382 16.515 16.646 16.777 16.906 17.035 17.162	90.5 90.4 90.5 90.5 90.4 90.4 90.4	1482.8 1483.0 1483.1 1483.3 1483.5 1483.5 1484.0 1484.4 1484.4	12202.2 12519.2 12838.9 13161.2 13486.2 13813.7 14143.7 14476.3 14811.4 15148.9	5.8 1.6 3.2 5.6 2.4 3.0 2.7 2.7
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0	1387.3 1407.0 1426.8 1446.5 1466.3 1505.7 1525.4 1545.2 1564.9	2.940 2.903 2.868 2.807 2.777 2.747 2.708 2.674 2.638 2.610	2.841 2.803 2.766 2.704 2.673 2.642 2.602 2.566 2.530 2.500	34.560 34.560 34.562 34.563 34.565 34.565 34.569 34.572 34.574	27.545 27.551 27.557 27.560 27.565 27.570 27.576 27.576 27.583 27.587 27.591	34.000 34.098 34.196 34.292 34.389 34.486 34.584 34.682 34.779 34.875	27.536 27.542 27.548 27.556 27.556 27.567 27.567 27.573 27.577 27.581	63.1 62.5 62.0 61.6 61.1 60.1 59.5 59.1	17.288 17.414 17.539 17.662 17.785 17.906 18.027 18.147 18.265 18.383	90.4 90.5 90.4 90.4 90.4 90.4 90.4	1484.8 1484.9 1485.1 1485.2 1485.6 1485.8 1486.0 1486.1 1486.4	15489.0 15831.5 16176.4 16523.8 16873.6 17225.7 17580.2 17937.0 18296.1 18657.6	1.6 .7 1.0 .1 4.0 2.5 3.7 1.6 2.8 3.4
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.6 1604.3 1624.1 1643.8 1663.5 1683.2 1702.9 1722.6 1742.3 1762.0	2.573 2.558 2.521 2.500 2.466 2.430 2.416 2.410 2.376 2.348	2.461 2.445 2.407 2.385 2.349 2.312 2.297 2.279 2.254 2.225	34.579 34.583 34.586 34.591 34.591 34.595 34.598 34.600 34.602	27.597 27.601 27.607 27.611 27.616 27.620 27.623 27.623 27.631 27.635	34.973 35.069 35.166 35.262 35.359 35.456 35.549 35.645 35.739 35.835	27.587 27.592 27.597 27.601 27.606 27.611 27.613 27.617 27.621 27.624	58.2 57.8 57.3 57.0 56.4 55.8 55.5 55.1	18.500 18.616 18.731 18.846 18.959 19.071 19.183 19.295 19.405 19.515	90.5 90.4 90.4 90.4 90.4 90.4 90.4 90.4	1486.5 1486.8 1487.0 1487.4 1487.6 1487.9 1488.2 1488.4	19021.3 19387.3 19755.5 20125.9 20498.6 20873.4 21250.4 21629.6 22010.9 22394.4	5.5 1.8 7.0 2.9 2.7 2.1 4.1
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.7 1801.4 1821.1 1840.8 1860.5 1880.2 1899.9 1919.6 1939.3 1959.0	2.315 2.288 2.263 2.236 2.211 2.191 2.173 2.155 2.124 2.108	2.190 2.162 2.136 2.107 2.081 2.060 2.041 2.021 1.989 1.971	34.604 34.606 34.607 34.611 34.612 34.614 34.617 34.619 34.620 34.620	27.639 27.643 27.646 27.651 27.654 27.658 27.661 27.665 27.668 27.671	35.932 36.027 36.122 36.218 36.313 36.408 36.502 36.597 36.692 36.786	27.629 27.632 27.636 27.641 27.644 27.651 27.654 27.658 27.660	54.3 53.9 53.6 53.1 52.8 52.5 52.2 51.9 51.5	19.624 19.732 19.840 19.947 20.052 20.158 20.263 20.367 20.470 20.573	90.4 90.4 90.5 90.4 90.4 90.5 90.4 90.5	1488.8 1489.0 1489.2 1489.5 1489.7 1490.2 1490.5 1490.7 1490.9	22780.0 23167.6 23557.4 23949.3 24343.2 24739.1 25137.1 25537.1 25939.1 26343.0	2.7 2.4 2.4 2.5 2.5 5
2000.0 2050.0 2100.0 2150.0 2200.0 2350.0 2350.0 2400.0 2450.0	1978.7 2027.9 2077.1 2126.2 2175.4 2224.6 2273.7 2322.8 2371.9 2421.1	2.086 2.041 2.006 1.965 1.922 1.889 1.861 1.835 1.811	1.948 1.899 1.861 1.816 1.770 1.733 1.701 1.671 1.643 1.617	34.624 34.630 34.633 34.635 34.638 34.643 34.649 34.649 34.651	27.675 27.683 27.688 27.694 27.700 27.707 27.712 27.716 27.720 27.723	36.881 37.117 37.349 37.581 37.814 38.047 38.278 38.508 38.737 38.965	27.664 27.672 27.677 27.682 27.688 27.699 27.704 27.707 27.710	50.9 50.2 49.8 49.3 48.7 48.1 47.3 47.3	20.675 20.928 21.177 21.425 21.670 21.912 22.152 22.390 22.626 22.860	90.4 90.4 90.4 90.4 90.4 90.4 90.4	1491.2 1491.8 1492.5 1493.2 1493.8 1494.5 1495.3 1496.0 1496.7 1497.5	26749.0 27772.5 28808.1 29855.7 30915.1 31986.3 33069.1 34163.3 35268.9 36385.8	4.6 3.2 1.5 2.1 1.6 1 2.6
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2900.0	2470.2 2519.2 2568.3 2617.4 2666.4 2715.5 2764.5 2813.5 2862.5 2911.5	1.761 1.745 1.730 1.712 1.689 1.671 1.657 1.639 1.621	1.585 1.565 1.546 1.523 1.496 1.474 1.455 1.433 1.411 1.389	34.657 34.659 34.660 34.661 34.663 34.667 34.668 34.670 34.670	27.728 27.732 27.734 27.736 27.740 27.743 27.746 27.749 27.751	39.195 39.423 39.649 39.875 40.103 40.556 40.782 41.007 41.232	27.715 27.718 27.721 27.722 27.726 27.729 27.731 27.734 27.736 27.738	46.4 46.2 46.1 46.0 45.7 45.4 45.3 44.9 44.8	23.093 23.325 23.556 23.785 24.015 24.242 24.469 24.695 24.920 25.144	90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4	1498.2 1499.0 1499.8 1500.5 1501.3 1502.8 1503.6 1504.4 1505.2	37514.0 38653.2 39803.6 40965.0 42137.4 43320.7 44514.9 45719.9 46935.7 48162.2	2.1 .9 1.0 1.0 1 2.0 .0 9
3000.0 3050.0 3100.0 3120.0	2960.5 3009.5 3058.5 3078.1	1.594 1.583 1.570 1.565	1.375 1.359 1.342 1.335	34.672 34.674 34.675 34.675	27.756 27.759 27.761 27.761	41.456 41.681 41.904 41.993	27.740 27.743 27.744 27.745	44.7 44.5 44.4 44.4	25.367 25.590 25.812 25.901	90.4 90.4 90.4 90.4	1506.0 1506.8 1507.6 1507.9	49399.4 50647.2 51905.6 52412.0	-1.0 2.8 1.1

Station	77	Latitude	32° 13.	69'N	Longit	ude 125°	57.18'W	31	Aug 1989	GMT 1	3:32	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-6 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	.0 10.0 19.9 29.9 39.9 49.8 59.8 69.8 79.7	18.429 18.433 18.436 19.163 18.664 15.843 15.670 15.371 15.087	18.429 18.431 18.433 18.431 19.156 18.655 15.834 15.660 15.359 15.073	33.242 33.241 33.241 33.628 33.628 33.660 33.610 33.606	23.822 23.821 23.819 23.820 23.934 24.057 24.601 24.756 24.820 24.913	23.822 23.865 23.907 23.951 24.108 24.274 24.865 25.064 25.172 25.309	23.822 23.821 23.819 23.819 23.932 24.055 24.599 24.753 24.753 24.909	407.0 407.4 407.9 408.2 397.8 386.4 334.6 320.2 314.4 305.9	.000 .407 .815 1.223 1.626 2.020 2.381 2.708 3.026 3.336	89.8 89.8 89.8 89.8 89.8 89.8 90.0	1515.6 1515.8 1516.0 1516.1 1518.8 1517.6 1509.1 1508.9 1508.2 1507.5	.0 2.0 8.1 18.3 32.5 50.7 72.6 98.0 126.6 158.2	.0 -2.2 -2.4 2.6 20.2 120.3 279.4 88.2 21.6 93.3
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.2 189.2	13.556 12.689 12.592 12.106 11.888 11.412 10.863 10.354 10.199 9.979	13.542 12.675 12.576 12.089 11.870 11.393 10.843 10.334 10.178 9.957	33.441 33.297 33.391 33.461 33.506 33.544 33.570 33.648 33.704	25.077 25.138 25.230 25.377 25.454 25.577 25.670 25.779 25.867 25.947	25.521 25.628 25.765 25.958 26.242 26.389 26.544 26.577 26.804	25.074 25.135 25.227 25.374 25.450 25.567 25.667 25.667 25.863 25.944	290.2 284.5 276.0 262.1 255.1 244.1 234.7 224.5 216.3 208.8	3.634 3.920 4.201 4.470 4.728 4.981 5.221 5.450 5.670 5.883	90.0 90.2 90.3 90.6 90.6 90.7 90.8 90.8	1502.4 1499.5 1499.4 1498.0 1497.5 1496.0 1494.2 1492.6 1492.3 1491.7	192.9 230.5 271.0 314.1 359.9 408.2 458.9 512.0 567.3 624.7	149.0 36.1 122.5 124.1 20.5 286.0 129.2 111.2 120.3 140.8
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 228.9 238.9 248.8 258.8 268.7 278.6 288.5	9.701 9.291 9.069 8.857 8.748 8.548 8.317 8.138 7.989 7.760	9.678 9.268 9.046 8.832 8.722 8.522 8.290 8.111 7.961 7.731	33.755 33.811 33.840 33.896 33.921 33.958 33.979 33.992 33.995 34.000	26.033 26.145 26.202 26.280 26.317 26.429 26.466 26.490 26.528	26.936 27.094 27.198 27.321 27.404 27.510 27.609 27.692 27.763 27.847	26.030 26.141 26.199 26.276 26.313 26.373 26.425 26.462 26.486 26.524	200.7 190.2 184.8 177.6 174.2 168.6 163.8 160.4 158.1	6.086 6.281 6.469 6.650 6.826 6.997 7.163 7.325 7.484 7.641	90.9 91.0 90.9 90.9 90.7 90.6 90.6 90.6	1490.9 1489.7 1489.0 1488.5 1488.3 1487.7 1487.0 1486.5 1486.1 1485.4	684.2 745.7 809.1 874.3 941.2 1009.9 1080.3 1152.2 125.6 1300.9	105.6 45.8 66.8 59.8 20.8 46.8 53.5 26.3 9.8 59.3
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.4 318.4 328.3 338.2 348.1 358.1 368.0 377.9 387.8	7.536 7.327 7.1465 6.865 6.625 6.625 6.625 6.598 6.502	7.507 7.297 7.116 6.835 6.767 6.594 6.670 6.658 6.564 6.467	33.997 33.998 33.998 33.993 33.996 34.022 34.040 34.058 34.067	26.559 26.588 26.614 26.648 26.667 26.677 26.693 26.709 26.736 26.755	27.925 28.001 28.074 28.156 28.213 28.277 28.338 28.400 28.473 28.539	26.554 26.584 26.610 26.644 26.655 26.689 26.705 26.731 26.751	151.8 149.0 146.6 143.3 142.3 140.7 139.4 138.0 135.6 133.8	7.793 7.944 8.092 8.236 8.379 8.521 8.661 8.800 8.936 9.071	90.8 90.7 90.7 90.7 90.5 90.6 90.6 90.6	1484.7 1484.1 1483.5 1482.6 1482.5 1481.9 1482.6 1482.4 1482.2	1377.5 1455.7 1535.3 1616.4 1698.8 1782.7 1868.0 1954.7 2042.7 2132.1	22.4 28.5 49.2 16.1 15.5 25.7 18.7 19.9 32.5
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.6 427.5 437.5 447.4 457.3 467.2 477.1 487.1	6.408 6.376 6.269 6.082 5.824 5.766 5.523 5.360 5.262 5.161	6.373 6.339 6.232 6.045 5.787 5.728 5.485 5.485 5.321 5.223 5.121	34.072 34.088 34.092 34.084 34.072 34.068 34.063 34.064 34.072	26.772 26.789 26.806 26.823 26.846 26.861 26.880 26.895 26.907 26.926	28.602 28.665 28.729 28.793 28.865 28.925 28.995 29.056 29.115 29.180	26.767 26.784 26.801 26.818 26.842 26.856 26.875 26.891 26.903 26.921	132.3 130.8 129.2 127.5 125.2 124.0 122.0 120.5 119.3 117.6	9.204 9.336 9.466 9.594 9.721 9.845 9.968 10.089 10.209 10.327	90.5 90.5 90.5 90.6 90.6 90.6 90.6	1482.0 1482.1 1481.8 1481.2 1480.3 1480.3 1479.4 1478.9 1478.7	2222.8 2314.8 2408.1 2502.6 2598.5 2695.5 2793.8 2893.3 2994.0 3095.8	8.4 11.1 7.8 29.2 47.0 26.2 30.2 20.0 16.7 14.7
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0	497.0 506.9 516.8 526.7 536.6 546.6 556.5 566.4 576.3	5.085 5.045 4.999 4.944 4.817 4.796 4.754 4.709 4.738 4.680	5.045 5.004 4.958 4.902 4.774 4.753 4.711 4.665 4.693 4.634	34.081 34.100 34.111 34.125 34.125 34.141 34.151 34.159 34.182 34.194	26.941 26.961 26.976 26.993 27.007 27.022 27.035 27.046 27.062 27.078	29.243 29.309 29.370 29.433 29.496 29.556 29.616 29.673 29.734 29.796	26.937 26.957 26.971 26.988 27.003 27.017 27.030 27.041 27.056 27.073	116.2 114.3 113.1 111.5 110.1 108.8 107.6 106.6 105.3 103.8	10.444 10.560 10.673 10.786 10.896 11.006 11.114 11.221 11.327 11.432	90.6 90.6 90.6 90.6 90.6 90.6 90.6	1478.3 1478.3 1478.3 1478.3 1477.9 1478.0 1478.0 1478.3 1478.3	3198.8 3303.0 3408.3 3514.7 3622.2 3730.8 3840.4 3951.1 4062.9 4175.7	13.2 15.2 10.9 18.5 10.5 2.9 16.7 5.9 17.0
600.0 610.0 620.0 630.0 640.0 650.0 670.0 680.0 690.0	596.1 606.0 616.0 625.9 635.8 645.7 655.6 665.5 675.4 685.3	4.568 4.551 4.545 4.558 4.558 4.524 4.504 4.518 4.537 4.494	4.522 4.505 4.496 4.497 4.509 4.474 4.454 4.466 4.485 4.441	34.192 34.202 34.223 34.236 34.249 34.258 34.268 34.268 34.281 34.297 34.306	27.088 27.098 27.116 27.126 27.135 27.146 27.156 27.165 27.176 27.188	29.854 29.911 29.974 30.030 30.084 30.142 30.198 30.252 30.308 30.367	27.083 27.093 27.111 27.121 27.130 27.140 27.150 27.159 27.170 27.182	102.8 101.9 100.4 99.5 98.8 97.8 97.0 96.3 95.4 94.2	11.535 11.637 11.739 11.839 11.938 12.036 12.134 12.230 12.326 12.421	90.6 90.6 90.6 90.6 90.6 90.6 90.5 90.5	1477.9 1478.1 1478.2 1478.4 1478.6 1478.8 1478.8 1479.0 1479.3 1479.3	4289.5 4404.4 4520.2 4637.1 4754.9 4873.7 4993.4 5114.1 5235.8 5358.3	7.9 12.3 12.6 6.8 7.4 10.3 6.8 8.0 15.9
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.2 705.1 715.0 724.9 734.8 744.7 754.6 764.5 774.5	4.541 4.504 4.482 4.504 4.451 4.374 4.349 4.343 4.321 4.315	4.487 4.449 4.426 4.447 4.394 4.317 4.291 4.284 4.261 4.255	34.327 34.333 34.342 34.358 34.365 34.364 34.371 34.378 34.381	27.199 27.208 27.218 27.228 27.240 27.247 27.256 27.262 27.266 27.269	30.423 30.478 30.534 30.589 30.648 30.702 30.757 30.809 30.859	27.193 27.202 27.212 27.222 27.233 27.241 27.250 27.255 27.260 27.263	93.4 92.6 91.7 90.9 89.2 88.4 87.9 87.6	12.515 12.608 12.700 12.791 12.882 12.971 13.060 13.148 13.236 13.323	90.5 90.4 90.5 90.5 90.5 90.5 90.5 90.5	1479.7 1479.8 1480.0 1480.0 1479.8 1479.8 1479.9 1480.1 1480.1	5481.9 5606.3 5731.6 5857.9 5985.0 6113.0 6241.9 6371.7 6502.3 6633.8	8.6 7.7 13.6 10.4 11.2 9.8 5.4 7.7 1.6 8.6
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.0 824.0 833.8 843.8 853.7 863.5 873.4	4.329 4.287 4.286 4.295 4.257 4.231 4.201 4.170 4.154 4.126	4.268 4.225 4.223 4.232 4.193 4.166 4.135 4.104 4.087 4.059	34.399 34.406 34.418 34.423 34.427 34.431 34.437 34.440 34.444	27.276 27.284 27.290 27.299 27.307 27.313 27.319 27.327 27.332 27.332	30.960 31.015 31.067 31.121 31.175 31.227 31.280 31.334 31.385 31.436	27.269 27.278 27.284 27.292 27.300 27.306 27.313 27.320 27.325 27.330	86.9 86.0 85.6 84.9 84.7 83.7 82.4 82.0 81.6	13.411 13.497 13.583 13.668 13.753 13.837 13.920 14.003 14.085 14.167	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1480.5 1480.5 1480.7 1480.9 1480.9 1481.0 1481.0 1481.1 1481.2	6766.2 6899.4 7033.4 7168.3 7304.0 7440.6 7578.0 7716.1 7855.1 7994.9	6.6 3.4 5.4 11.0 4.9 2.8 6.9 3.4 17.2 4.0
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.2 903.1 913.0 922.9 932.8 942.7 952.6 962.5 972.4 982.3	4.093 4.081 4.018 3.976 3.969 3.960 3.920 3.920 3.897 3.877	4.025 4.012 3.948 3.906 3.899 3.889 3.849 3.833 3.824 3.803	34.450 34.454 34.453 34.459 34.465 34.466 34.470 34.473	27.346 27.351 27.356 27.361 27.367 27.377 27.377 27.382 27.385 27.390	31.491 31.542 31.595 31.646 31.697 31.749 31.800 31.851 31.899 31.951	27.339 27.344 27.349 27.354 27.360 27.365 27.370 27.374 27.377 27.383	80.8 80.4 79.8 79.4 79.0 78.5 78.0 77.7 77.5	14.248 14.328 14.409 14.488 14.567 14.646 14.724 14.802 14.880 14.957	90.6 90.5 90.5 90.5 90.5 90.4 90.5 90.4 90.5	1481.2 1481.4 1481.3 1481.2 1481.4 1481.5 1481.5 1481.6 1481.8	8135.5 8276.9 8419.1 8562.0 8705.8 8850.3 8955.6 9141.6 9288.4 9436.0	11.3 6.1 5.5 7.5 4.6 7.2 6.9 6.7 3.2

Stati	lon 77	Latitude	32. 13.	69'N	Longit	ude 125°	57.18'W	31	Aug 1989	GMT 13	3:32	Bottom	4357 m
	es. Depth	Temp.	Pot.T.	Sal 0/00	Sigma -0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht	LTR 0/0	SV m/s	TF m ³ /s ²	N ² 10 ⁶ /s ²
1000 1020 1040 1060 1080 1100 1120 1140 1160	0.0 992.2 0.0 1011.9 0.0 1031.7 0.0 1071.5 0.0 1071.3 0.0 1091.0 1110.8 0.0 1130.6 0.0 1150.3	3.834 3.795 3.777 3.739 3.649 3.603 3.578 3.510 3.470 3.434	3.760 3.719 3.760 3.660 3.569 3.523 3.496 3.427 3.385 3.348	34.480 34.482 34.491 34.498 34.502 34.509 34.514 34.516 34.521	27.397 27.403 27.412 27.421 27.431 27.438 27.447 27.457 27.463 27.470	32.004 32.103 32.203 32.305 32.407 32.508 32.607 32.711 32.809 32.908	27.389 27.395 27.404 27.414 27.423 27.431 27.439 27.449 27.455 27.462	76.4 75.2 74.4 73.4 72.8 72.1 71.1 70.6 70.0	15.034 15.186 15.337 15.487 15.635 15.781 15.926 16.211 16.351	90.55 90.55 90.55 90.55 90.55 90.55 90.55	1481.8 1482.0 1482.3 1482.5 1482.4 1482.5 1482.8 1482.8 1483.0 1483.2	9584.3 9883.2 10185.0 10489.8 10797.5 11108.1 11421.5 11737.7 12056.8 12378.5	4.9 2.6 6.7 1.4 3.5 6.1 4.7 5.9
1200 1220 1240 1260 1380 1320 1340 1360 1380	2.0 1209.6 2.0 1229.4 3.0 1249.2 0.0 1268.9 0.0 1308.4 0.0 1328.2 1.0 1347.9	3.400 3.348 3.305 3.238 3.182 3.137 3.097 3.048 3.023 2.984	3.312 3.259 3.216 3.148 3.090 3.044 3.003 2.953 2.927 2.886	34.526 34.527 34.532 34.535 34.538 34.540 34.543 34.547 34.550 34.550	27.478 27.483 27.491 27.500 27.508 27.514 27.521 27.528 27.533 27.538	33.008 33.106 33.206 33.308 33.408 33.507 33.606 33.706 33.803 33.900	27.469 27.475 27.483 27.499 27.505 27.512 27.519 27.524 27.529	69.4 68.8 68.1 67.2 66.5 66.0 64.2 63.7	16.490 16.629 16.765 16.901 17.035 17.167 17.298 17.428 17.557 17.685	90.5 90.5 90.4 90.4 90.4 90.5 90.4	1483.4 1483.5 1483.6 1483.7 1483.8 1483.9 1484.1 1484.2 1484.4 1484.6	12703.0 13030.3 13360.2 13692.7 14027.9 14365.7 14706.0 15048.9 15394.3 15742.2	2.4 4.5 4.8 2.9 3.6 7
1400 1440 1440 1460 1500 1520 1540 1560	0.0 1407.1 0.0 1426.9 0.0 1446.6 0.0 1466.3 0.0 1505.8 0.0 1525.5 1.0 1525.5	2.955 2.927 2.883 2.843 2.809 2.778 2.753 2.715 2.684 2.652	2.856 2.826 2.782 2.740 2.705 2.673 2.646 2.607 2.574 2.542	34.555 34.561 34.563 34.565 34.569 34.571 34.578 34.578 34.580	27.544 27.549 27.554 27.559 27.565 27.570 27.575 27.581 27.586 27.590	33.997 34.094 34.193 34.290 34.388 34.485 34.581 34.581 34.776 34.872	27.534 27.539 27.545 27.551 27.556 27.561 27.565 27.572 27.576 27.581	63.3 62.9 62.3 61.8 61.3 60.8 60.5 59.8 59.4	17.812 17.938 18.063 18.187 18.310 18.432 18.553 18.674 18.793 18.912	90.4 90.5 90.5 90.4 90.4 90.5 90.4 90.5	1484.8 1485.0 1485.2 1485.4 1485.5 1486.0 1486.1 1486.3 1486.5	16092.6 16445.4 16800.7 17158.4 17518.6 17881.1 18245.9 18613.2 18982.7 19354.6	1.6 5.7 1.6 2.8 1.0 4.5 5.2
1600 1620 1640 1660 1700 1720 1740 1760	1.0 1604.4 1.0 1624.1 1.0 1643.8 1.0 1663.6 1.0 1703.0 1.0 1722.7 1.0 1742.4	2.622 2.588 2.567 2.534 2.500 2.478 2.450 2.425 2.380 2.356	2.510 2.475 2.453 2.418 2.383 2.360 2.330 2.304 2.258 2.233	34.582 34.585 34.586 34.589 34.591 34.593 34.595 34.602 34.603	27.595 27.600 27.603 27.608 27.613 27.617 27.621 27.624 27.632 27.635	34.969 35.066 35.160 35.257 35.354 35.450 35.545 35.640 35.740 35.835	27.585 27.590 27.593 27.598 27.603 27.607 27.611 27.614 27.622 27.625	58.6 58.1 57.9 57.4 56.8 56.2 55.1 54.8	19.029 19.146 19.262 19.377 19.491 19.605 19.718 19.829 19.940 20.050	90.4 90.5 90.4 90.4 90.5 90.4 90.5	1486.8 1486.9 1487.2 1487.4 1487.6 1487.8 1488.0 1488.3 1488.4 1488.6	19728.7 20105.1 20483.8 20864.7 21247.9 21633.2 22020.8 22410.5 22802.4 23196.4	2.0 .8 .0 4.9 1.4 3.2 2.9 .6 3.5 4.4
1800 1820 1840 1860 1880 1900 1920 1940 1960	1801.5 1821.2 1840.9 1860.6 1880.3 1900.0 1919.7 1939.4	2.335 2.302 2.280 2.260 2.235 2.214 2.201 2.177 2.159 2.141	2.210 2.176 2.152 2.131 2.105 2.082 2.068 2.043 2.023 2.004	34.604 34.607 34.610 34.611 34.615 34.615 34.618 34.620 34.621	27.638 27.643 27.647 27.650 27.657 27.659 27.662 27.665 27.668	35.929 36.026 36.122 36.216 36.311 36.406 36.499 36.593 36.687 36.781	27.628 27.633 27.636 27.639 27.643 27.646 27.649 27.652 27.654 27.657	54.5 54.0 53.7 53.4 53.0 52.7 52.5 52.2 51.8	20.159 20.268 20.376 20.483 20.589 20.695 20.800 20.905 21.009 21.113	90.3 90.4 90.4 90.4 90.4 90.4 90.4 90.4	1488.9 1489.1 1489.3 1489.6 1489.8 1490.0 1490.3 1490.6 1490.8 1491.1	23592.5 23990.8 24391.1 24793.5 25198.0 25604.5 26013.1 26423.7 26836.3 27250.9	1.8 3.6 2.4 1.3 1.6 3.4 .7
2000 2050 2100 2150 2200 2250 2300 2350 2400 2450	.0 2027.9 .0 2077.1 .0 2126.3 .0 2175.5 .0 2224.6 .0 2273.8 .0 2322.9 .0 2372.1	2.125 2.070 2.035 2.000 1.968 1.931 1.897 1.863 1.834 1.805	1.987 1.928 1.889 1.850 1.815 1.774 1.736 1.665 1.665	34.622 34.627 34.631 34.636 34.639 34.641 34.644 34.647 34.650 34.653	27.670 27.679 27.685 27.692 27.692 27.707 27.707 27.712 27.717 27.722	36.874 37.111 37.344 37.577 37.809 38.040 38.271 38.502 38.732 38.963	27.659 27.668 27.674 27.680 27.685 27.695 27.700 27.704 27.709	51.5 50.7 50.2 49.7 49.2 48.8 48.3 47.9 47.5	21.216 21.472 21.724 21.974 22.222 22.467 22.709 22.950 23.188 23.424	90.4 90.4 90.4 90.4 90.4 90.4 90.4	1491.3 1491.9 1492.6 1493.3 1494.0 1494.7 1495.4 1496.1 1496.8 1497.5	27667.5 28717.7 29780.2 30854.8 31941.3 33039.7 34149.8 35271.5 36404.7 37549.3	2.6 1.1 2.7 2.1 1.6 3.4 1.4
2500 2550 2600 2650 2700 2750 2800 2850 2900	.0 2519.4 .0 2568.4 .0 2617.5 .0 2666.6 .0 2715.6 .0 2764.6 .0 2813.6 .0 2862.6	1.784 1.766 1.748 1.722 1.704 1.687 1.667 1.647 1.634	1.607 1.585 1.563 1.533 1.511 1.489 1.465 1.441 1.424	34.655 34.660 34.661 34.663 34.665 34.666 34.667 34.669 34.669	27.725 27.729 27.732 27.736 27.739 27.742 27.744 27.748 27.750 27.753	39.191 39.419 39.646 39.874 40.101 40.327 40.553 40.779 41.004 41.230	27.712 27.716 27.719 27.722 27.725 27.727 27.729 27.733 27.734 27.737	46.8 46.4 46.1 45.9 45.7 45.3 45.2	23.659 23.893 24.125 24.357 24.586 24.815 25.043 25.270 25.496 25.721	90.3 90.4 90.4 90.4 90.5 90.4 90.4	1498.3 1499.1 1499.8 1500.6 1501.3 1502.9 1503.6 1504.4 1505.2	38705.2 39872.3 41050.6 42240.0 43440.5 44651.9 45874.2 47107.4 48351.4 49606.2	2.4 1.2 1.6 2 1.1 1.1 1.4 2 5
3000 3050 3100 3122	.0 3009.6 .0 3058.6	1.606 1.595 1.584 1.578	1.387 1.371 1.355 1.347	34.672 34.673 34.674 34.674	27.755 27.757 27.759 27.760	41.454 41.678 41.902 41.999	27.739 27.741 27.743 27.743	44.8 44.8 44.7 44.6	25.946 26.170 26.393 26.491	90.4 90.4 90.4 90.4	1506.0 1506.8 1507.6 1508.0	50871.7 52147.9 53434.8 54004.4	4 0 .0

Station	78	Latitude	32. 00.	.59'N	Longit	ude 126°	05.20'W	31	l Aug 1989	GMT 1	6:42	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /k	Dyn.Ht g J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 70.0 80.0 90.0	.0 10.0 19.9 29.9 39.8 59.8 69.8 79.8	18.951 18.950 18.952 18.954 18.956 18.679 17.712 16.370 15.504	18.951 18.948 18.949 18.949 18.947 18.669 17.700 16.358 15.490	33.482 33.482 33.482 33.482 33.484 33.512 33.559 33.543	23.875 23.876 23.876 23.876 23.876 23.943 24.206 24.559 24.742	23.875 23.919 23.962 24.006 24.050 24.094 24.204 24.512 24.910 25.139	23.875 23.875 23.875 23.875 23.874 23.875 23.940 24.204 24.556 24.739	401.9 402.2 402.6 402.9 403.3 403.6 397.6 372.8 339.4 322.1	.000 .402 .804 1.207 1.610 2.014 2.417 2.802 3.155 3.486	90.1 90.1 90.0 90.1 90.1 89.7 89.8 90.0 90.2	1517.4 1517.6 1517.9 1518.1 1518.2 1517.6 1515.0 1511.2 1508.7	.0 2.0 8.0 18.0 32.1 50.2 72.2 98.3 128.0 161.1	.0 .2 8 1.1 1.4 218.6 364.9 238.5 143.8
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3	15.236 13.984 13.826 13.472 12.650 12.267 11.641 11.091 10.679 10.121	15.221 13.968 13.809 13.454 12.631 12.247 11.620 11.070 10.658 10.099	33.643 33.446 33.542 33.580 33.565 33.545 33.548 33.591 33.635	24.878 24.993 25.101 25.203 25.354 25.531 25.633 25.739 25.870	25.319 25.481 25.632 25.779 25.978 26.088 26.247 26.395 26.548 26.726	24.875 24.990 25.097 25.199 25.351 25.415 25.527 25.629 25.735 25.866	309.4 298.5 288.6 279.1 264.7 258.7 248.2 238.6 228.6 216.2	3.803 4.109 4.403 4.687 4.958 5.221 5.472 5.717 5.949 6.171	90.2 90.3 90.5 90.6 90.7 90.7 90.9 90.9	1508.1 1504.0 1503.7 1502.8 1500.2 1499.0 1497.0 1495.2 1494.0 1492.2	197.4 236.8 279.1 324.4 372.4 423.0 476.2 531.9 589.9 650.2	116.8 135.3 54.5 158.4 107.3 81.2 -2.7 203.9 92.3 161.0
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.0 229.0 238.9 248.8 268.7 278.6 288.6	9.607 9.382 9.142 8.897 8.705 8.456 8.327 8.125 7.926 7.817	9.585 9.359 9.118 8.873 8.680 8.430 8.300 8.098 7.898 7.788	33.752 33.803 33.867 33.929 33.945 33.989 33.989 33.999 34.007	26.047 26.124 26.213 26.300 26.342 26.407 26.435 26.473 26.510 26.528	26.950 27.072 27.208 27.341 27.430 27.540 27.615 27.700 27.782 27.847	26.044 26.120 26.209 26.296 26.338 26.403 26.431 26.470 26.506 26.524	199.4 192.2 183.9 175.7 171.8 165.8 163.2 159.6 156.3 154.6	6.380 6.575 6.762 6.942 7.116 7.285 7.449 7.610 7.768 7.924	91.1 90.9 90.9 90.9 90.8 90.8 90.9 90.9	1490.6 1490.0 1489.3 1488.7 1488.1 1487.4 1487.4 1486.5 1485.9 1485.6	712.6 777.0 843.3 911.4 981.2 1052.8 1126.0 1200.8 1277.1 1355.1	201.6 80.1 43.7 63.9 73.2 38.6 32.5 36.5 32.7
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.2 348.2 358.1 368.0 378.0 387.9	7.644 7.561 7.448 7.292 7.142 6.833 6.756 6.638 6.561	7.615 7.531 7.417 7.261 7.110 6.956 6.800 6.722 6.603 6.526	34.012 34.013 34.019 34.024 34.025 34.036 34.038 34.039 34.041	26.554 26.567 26.588 26.614 26.636 26.662 26.687 26.716 26.727	27.920 27.978 28.045 28.118 28.187 28.260 28.331 28.390 28.452 28.511	26.550 26.563 26.584 26.610 26.632 26.658 26.682 26.695 26.711 26.723	152.2 151.1 149.2 146.8 144.8 142.3 140.1 139.0 137.5 136.4	8.077 8.229 8.379 8.527 8.672 8.816 8.957 9.097 9.235 9.372	90.8 90.7 90.7 90.8 90.8 90.8 90.7 90.7	1485.1 1485.0 1484.7 1484.3 1483.9 1483.4 1483.0 1482.8 1482.5 1482.4	1434.5 1515.5 1598.0 1681.9 1767.3 1854.1 1942.3 2032.0 2122.9 2215.3	9.5 5.4 22.7 15.6 28.7 15.8 8.5 23.1
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.3 477.2 487.1	6.451 6.421 6.230 6.146 6.099 5.938 5.883 5.831 5.752 5.639	6.416 6.384 6.194 6.108 6.061 5.900 5.844 5.791 5.711 5.598	34.047 34.048 34.061 34.066 34.071 34.090 34.097 34.109 34.122	26.747 26.751 26.786 26.801 26.811 26.846 26.856 26.866 26.885 26.909	28.576 28.627 28.709 28.771 28.826 28.909 28.965 29.021 29.087 29.158	26.742 26.747 26.782 26.796 26.806 26.841 26.851 26.861 26.880 26.904	134.7 134.4 131.0 129.7 128.8 125.5 124.7 123.8 122.0 119.8	9.507 9.642 9.774 9.904 10.033 10.161 10.286 10.410 10.533 10.654	90.7 90.7 90.7 90.7 90.6 90.7 90.6 90.6	1482.1 1482.2 1481.6 1481.4 1481.0 1480.9 1480.9 1480.7 1480.5	2309.0 2404.0 2500.3 2598.0 2696.9 2797.1 2898.5 3001.2 3105.0 3210.1	1.7 18.7 15.1 4.9 18.4 19.8 26.5 6.9 12.8 3.1
500.0 510.0 520.0 530.0 550.0 550.0 570.0 580.0 590.0	497.0 506.9 516.8 526.8 536.6 556.5 566.4 576.3 586.3	5.631 5.598 5.519 5.482 5.415 5.359 5.298 5.274 5.214	5.589 5.555 5.476 5.438 5.370 5.314 5.252 5.228 5.167 5.156	34.122 34.129 34.145 34.150 34.160 34.171 34.181 34.184 34.205 34.219	26.910 26.920 26.941 26.950 26.966 26.982 26.997 27.010 27.026 27.038	29.204 29.260 29.329 29.383 29.446 29.508 29.570 29.628 29.691 29.749	26.905 26.915 26.936 26.945 26.961 26.976 26.992 27.004 27.020 27.032	119.8 119.0 117.0 116.2 114.8 113.3 111.9 110.8 109.3 108.3	10.774 10.894 11.011 11.128 11.243 11.357 11.470 11.581 11.691 11.800	90.6 90.6 90.6 90.7 90.7 90.6 90.6 90.6	1480.6 1480.5 1480.5 1480.4 1480.4 1480.3 1480.3	3316.4 3423.8 3532.5 3642.3 3753.2 3865.2 3978.4 4092.7 4208.0 4324.5	1.3 38.2 9.2 44.1 7.8 20.9 9.5 21.5 21.5
600.0 610.0 620.0 630.0 640.0 650.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.7 655.6 665.5 675.5	5.143 5.107 5.067 5.025 4.969 4.931 4.900 4.878 4.850	5.094 5.058 5.017 4.975 4.918 4.879 4.847 4.825 4.796 4.761	34.233 34.239 34.248 34.260 34.273 34.281 34.287 34.298 34.307 34.323	27.056 27.065 27.077 27.092 27.108 27.119 27.128 27.139 27.149 27.166	29.813 29.869 29.927 29.988 30.051 30.108 30.163 30.220 30.276 30.339	27.051 27.060 27.072 27.086 27.103 27.113 27.122 27.133 27.143 27.160	106.7 105.9 104.8 103.4 101.9 101.0 100.2 99.3 98.4 96.9	11.908 12.014 12.120 12.224 12.326 12.428 12.528 12.528 12.726 12.824	90.6 90.6 90.6 90.6 90.6 90.6 90.6	1480.4 1480.4 1480.4 1480.4 1480.4 1480.4 1480.5 1480.5	4442.0 4560.6 4680.2 4800.8 4922.4 5045.1 5168.7 5293.4 5419.0 5545.6	14.2 5.7 19.5 16.3 5.4 13.3 10.4 5.4 1.6 3.7
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5 784.4	4.808 4.760 4.740 4.713 4.690 4.692 4.624 4.620 4.601 4.595	4.752 4.704 4.683 4.655 4.632 4.633 4.564 4.559 4.533	34.324 34.331 34.341 34.346 34.350 34.351 34.357 34.367 34.372	27.167 27.179 27.189 27.196 27.200 27.202 27.209 27.215 27.225 27.230	30.386 30.444 30.500 30.553 30.603 30.651 30.705 30.757 30.813 30.864	27.161 27.172 27.182 27.189 27.194 27.195 27.203 27.209 27.218 27.223	96.8 95.8 95.0 94.4 94.0 94.2 92.8 91.9 91.5	12.921 13.017 13.113 13.208 13.302 13.396 13.489 13.582 13.675 13.766	90.6 90.6 90.6 90.6 90.6 90.6 90.6	1480.8 1480.7 1480.8 1480.9 1481.0 1481.1 1481.0 1481.2 1481.3	5673.1 5801.6 5931.0 6061.4 6192.6 6324.9 6458.0 6592.0 6727.0 6862.9	2.2 8.7 11.6 3.7 1.3 1.4 6.0 5.8 .2 9.0
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.585 4.522 4.492 4.440 4.425 4.396 4.363 4.322 4.313 4.299	4.522 4.459 4.428 4.375 4.359 4.330 4.296 4.255 4.245 4.230	34.378 34.385 34.395 34.402 34.412 34.416 34.421 34.426 34.430	27.236 27.248 27.259 27.271 27.277 27.284 27.291 27.299 27.304 27.309	30.915 30.974 31.031 31.090 31.142 31.194 31.248 31.302 31.353 31.404	27.229 27.241 27.253 27.264 27.270 27.277 27.284 27.292 27.297 27.302	91.1 89.9 88.9 87.8 87.4 86.2 85.4 85.0 84.6	13.858 13.948 14.038 14.126 14.214 14.301 14.387 14.473 14.559 14.643	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1481.6 1481.5 1481.5 1481.6 1481.6 1481.7 1481.7 1481.8 1481.9	6999.6 7137.3 7275.8 7415.2 7555.5 7696.7 7838.6 7981.5 8125.1 8269.7	5.8 11.0 9.3 9.9 2.8 7.5 8.1 11.1 9.9
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.6 972.5 982.3	4.259 4.231 4.206 4.160 4.135 4.113 4.073 4.041 4.009 3.984	4.190 4.161 4.135 4.089 4.063 4.041 4.000 3.967 3.935 3.909	34.439 34.442 34.450 34.457 34.457 34.461 34.463 34.469 34.471	27.320 27.325 27.331 27.340 27.345 27.350 27.358 27.362 27.370 27.375	31.462 31.513 31.565 31.620 31.672 31.773 31.777 31.828 31.882 31.933	27.313 27.318 27.323 27.332 27.338 27.343 27.350 27.355 27.363 27.367	83.6 83.2 82.7 81.9 81.0 80.2 79.8 79.1 78.7	14.727 14.811 14.894 14.976 15.058 15.139 15.219 15.300 15.379 15.458	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1481.9 1482.0 1482.0 1482.1 1482.2 1482.2 1482.2 1482.2 1482.2	8415.0 8561.1 8708.1 8855.9 9004.5 9153.8 9304.0 9455.0 9606.7 9759.2	7.8 3.5 15.2 5.5 8.1 3.2 6.7 4.3 11.7

Station	78	Latitude	32. 00.	59'N	Longit	ıde 126°	05.20'W	31	Aug 1989	GMT 16	5:42	Bottom	4050 m
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0 1180.0	992.2 1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.7 1150.4 1170.2	3.954 3.896 3.842 3.795 3.682 3.649 3.589 3.532 3.536	3.879 3.820 3.764 3.716 3.658 3.601 3.566 3.505 3.447 3.420	34.474 34.480 34.487 34.493 34.497 34.503 34.513 34.513 34.518 34.520	27.381 27.391 27.402 27.412 27.420 27.431 27.438 27.448 27.458 27.462	31.985 32.088 32.191 32.293 32.395 32.498 32.596 32.700 32.802 32.802	27.373 27.383 27.394 27.404 27.413 27.423 27.429 27.440 27.450 27.450	78.2 77.3 76.3 75.4 74.6 73.6 73.1 72.1 71.2 70.9	15.536 15.692 15.846 15.997 16.147 16.296 16.442 16.587 16.873	90.5 90.5 90.5 90.6 90.6 90.6 90.5	1482.3 1482.4 1482.5 1482.7 1482.8 1482.9 1483.1 1483.2 1483.3 1483.5	9912.5 10221.4 10533.3 10848.1 11166.0 11486.7 11810.3 12136.8 12466.1 12798.2	4.6 5.8 7.0 4.1 2.3 3.8 8.5 3.8
1200.0 1220.0 1240.0 1260.0 1280.0 1300.0 1320.0 1340.0 1360.0	1189.9 1209.7 1229.5 1249.2 1269.0 1288.7 1308.5 1328.2 1348.0 1367.7	3.469 3.423 3.378 3.317 3.267 3.214 3.178 3.148 3.115 3.069	3.381 3.334 3.226 3.174 3.121 3.083 3.052 3.018 2.970	34.523 34.527 34.531 34.536 34.538 34.542 34.542 34.548 34.550 34.550	27.468 27.476 27.484 27.500 27.508 27.515 27.519 27.524 27.530	32.996 33.097 33.196 33.299 33.398 33.499 33.598 33.694 33.694 33.889	27.460 27.468 27.475 27.485 27.492 27.500 27.506 27.511 27.515 27.521	70.4 69.7 69.0 68.1 67.5 66.7 66.7 65.7 65.3	17.014 17.155 17.293 17.430 17.566 17.700 17.833 17.964 18.095 18.226	90.5 90.5 90.6 90.5 90.5 90.5 90.5 90.5	1483.7 1483.8 1483.9 1484.0 1484.1 1484.3 1484.4 1484.6 1484.6	13133.0 13470.6 13810.9 14153.9 14499.6 14847.9 15198.8 15552.3 15908.3 16266.9	1.8 7.7 5.3 5.9 8.3 4.2 1.3 4.8 4.8
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.5 1407.2 1426.9 1446.7 1466.4 1486.2 1505.9 1525.6 1545.3 1565.1	3.051 3.007 2.983 2.937 2.890 2.832 2.794 2.755 2.739 2.737	2.951 2.906 2.880 2.833 2.785 2.726 2.686 2.646 2.629 2.625	34.554 34.559 34.561 34.564 34.567 34.571 34.572 34.572 34.572	27.534 27.542 27.545 27.552 27.557 27.564 27.570 27.576 27.577 27.577	33.984 34.084 34.180 34.279 34.376 34.476 34.575 34.672 34.765 34.860	27.524 27.532 27.536 27.543 27.547 27.554 27.566 27.566 27.567 27.572	64.5 63.8 63.5 62.8 62.4 61.6 60.5 60.5	18.355 18.483 18.610 18.737 18.862 18.986 19.108 19.230 19.351 19.471	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1485.2 1485.4 1485.6 1485.8 1485.9 1486.0 1486.1 1486.3 1486.6 1486.9	16628.0 16991.6 17357.7 17726.2 18097.2 18470.6 18846.5 19224.6 19605.2 19988.1	5.1 6.6 6.0 5.2 -1.0 1.1
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.5 1624.2 1643.9 1663.7 1683.4 1703.1 1722.8 1742.5 1762.2	2.708 2.673 2.627 2.600 2.571 2.547 2.526 2.488 2.464 2.427	2.595 2.559 2.512 2.484 2.453 2.428 2.406 2.367 2.341 2.303	34.581 34.586 34.589 34.591 34.593 34.595 34.598 34.599 34.602	27.587 27.591 27.598 27.603 27.607 27.611 27.615 27.620 27.623 27.628	34.957 35.054 35.153 35.249 35.345 35.440 35.535 35.633 35.728 35.825	27.577 27.581 27.588 27.592 27.597 27.601 27.604 27.610 27.613 27.618	59.6 59.2 58.5 58.1 57.4 57.4 57.4 56.5 56.2	19.591 19.710 19.827 19.944 20.060 20.175 20.289 20.403 20.516 20.628	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1487.1 1487.3 1487.4 1487.7 1487.9 1488.1 1488.4 1488.5 1488.8 1488.9	20373.3 20760.8 21150.7 21542.8 21937.1 22333.7 22732.5 23133.5 23536.7 23942.1	2.0 4.6 3.5 4.1 2.3 1.2 1.5 2.4
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1919.8 1939.5 1959.2	2.385 2.353 2.322 2.294 2.270 2.247 2.227 2.214 2.188 2.179	2.260 2.227 2.194 2.165 2.139 2.115 2.094 2.079 2.052 2.041	34.606 34.607 34.608 34.611 34.613 34.615 34.617 34.620 34.620	27.635 27.639 27.642 27.646 27.653 27.656 27.658 27.663 27.663	35.924 36.019 36.114 36.210 36.305 36.399 36.494 36.587 36.684 36.776	27.625 27.628 27.631 27.635 27.638 27.642 27.645 27.647 27.652 27.653	55.0 54.6 54.3 53.9 53.6 53.3 53.0 52.8 52.3	20.738 20.848 20.957 21.065 21.173 21.279 21.386 21.492 21.597 21.701	90.5 90.5 90.5 90.4 90.4 90.5 90.4	1489.1 1489.3 1489.5 1489.7 1489.9 1490.2 1490.4 1490.7 1490.9 1491.2	24349.6 24759.3 25171.1 25585.0 26000.9 26419.0 26839.1 27261.2 27685.4 28111.6	2.4 2.4 7 2.5 4.2 3.4 1.9
2000.0 2050.0 2100.0 2150.0 2250.0 2300.0 2300.0 2400.0 2450.0	1978.8 2028.1 2077.2 2126.4 2175.6 2224.8 2273.9 2323.0 2372.1 2421.3	2.155 2.108 2.065 2.026 1.994 1.954 1.917 1.890 1.865 1.840	2.016 1.965 1.919 1.877 1.841 1.796 1.756 1.725 1.696	34.621 34.625 34.629 34.632 34.636 34.639 34.643 34.646 34.647	27.667 27.674 27.681 27.687 27.692 27.698 27.704 27.709 27.713 27.718	36.869 37.104 37.338 37.571 37.803 38.035 38.267 38.498 38.726 38.957	27.656 27.663 27.669 27.675 27.681 27.686 27.692 27.697 27.700 27.705	52.0 51.4 50.8 50.2 49.8 49.3 48.7 48.3 48.1	21.806 22.064 22.319 22.572 22.822 23.070 23.314 23.557 23.798 24.037	90.4 90.4 90.4 90.4 90.4 90.4 90.4	1491.5 1492.1 1492.8 1493.4 1494.1 1494.8 1495.5 1496.2 1497.0 1497.7	28539.8 29619.1 30710.8 31814.7 32930.7 34058.7 35198.5 36350.0 37513.2 38687.8	2.6 2.0 6 1.2 3.9 .7 1.4
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2950.0	2470.4 2519.5 2568.5 2617.6 2666.7 27164.7 2813.8 2862.8 2911.8	1.814 1.789 1.765 1.738 1.714 1.694 1.681 1.660 1.636	1.637 1.608 1.580 1.549 1.521 1.496 1.479 1.454 1.426	34.653 34.657 34.659 34.661 34.665 34.666 34.668 34.669 34.669	27.722 27.727 27.730 27.735 27.738 27.741 27.743 27.747 27.750 27.750	39.185 39.415 39.643 39.872 40.099 40.326 40.5551 40.778 41.004 41.228	27.708 27.713 27.717 27.721 27.724 27.727 27.728 27.732 27.735 27.736	47.3 47.0 46.7 46.3 46.0 45.8 45.7 45.4 45.2	24.274 24.510 24.744 24.976 25.207 25.437 25.665 25.893 26.120 26.346	90.3 90.4 90.4 90.3 90.3 90.4 90.3	1498.4 1499.2 1499.9 1500.6 1501.4 1502.9 1503.7 1504.4 1505.2	39873.9 41071.3 42279.9 43499.7 44730.6 45972.5 47225.4 48489.1 49763.7 51049.1	1.5 5 1.6 .2 1.4 .9
3000.0 3050.0 3100.0 3150.0 3200.0 3250.0 3300.0 3400.0 3450.0	2960.8 3009.7 3058.7 3107.7 3156.6 3205.5 3254.5 3303.4 3352.3 3401.2	1.613 1.592 1.584 1.574 1.560 1.554 1.538 1.532 1.529	1.393 1.369 1.356 1.341 1.322 1.312 1.291 1.280 1.272 1.264	34.672 34.673 34.674 34.675 34.677 34.677 34.679 34.680 34.681	27.754 27.757 27.759 27.761 27.763 27.764 27.768 27.769 27.770	41.453 41.678 41.901 42.124 42.348 42.570 42.794 43.016 43.236 43.457	27.738 27.741 27.742 27.744 27.746 27.747 27.750 27.751 27.752 27.753	45.0 44.7 44.6 44.4 44.2 44.2 44.3	26.571 26.795 27.018 27.242 27.464 27.687 27.908 28.129 28.351 28.572	90.4 90.4 90.3 90.4 90.3 90.3 90.3	1506.0 1506.8 1507.6 1508.4 1510.0 1510.8 1511.7 1512.5 1513.3	52345.3 53652.1 54969.7 56297.8 57636.6 58985.9 60345.8 61716.3 63097.2 64488.7	.7 .2 9 .9 1.5 1.6 1.3 7
3500.0 3550.0 3600.0 3650.0 3700.0 3750.0 3850.0 3950.0	3450.0 3498.9 3547.8 3596.6 3645.4 3694.3 3743.1 3791.9 3840.7	1.518 1.510 1.500 1.497 1.494 1.491 1.485 1.485 1.485	1.251 1.239 1.223 1.215 1.207 1.199 1.189 1.182 1.177	34.683 34.684 34.686 34.687 34.689 34.689 34.690 34.691 34.691	27.774 27.775 27.778 27.779 27.780 27.782 27.783 27.784 27.785 27.785	43.678 43.899 44.121 44.340 44.559 44.779 44.998 45.217 45.435 45.651	27.754 27.756 27.758 27.759 27.759 27.761 27.762 27.763 27.763 27.763	44.2 44.0 44.1 44.1 44.1 44.1 44.2 44.4	28.793 29.014 29.234 29.454 29.675 29.896 30.116 30.337 30.558 30.779	90.3 90.2 90.3 90.3 90.3 90.3 90.2 90.2	1514.2 1515.0 1515.8 1516.6 1517.5 1518.3 1519.2 1520.0 1520.9 1521.8	65890.6 67303.1 68726.0 70159.4 71603.1 73057.4 74522.1 75997.2 77482.8 78978.9	3 1.9 1.0 1.1 6 .3 1.8
4000.0 4050.0 4074.0	3938.2 3987.0 4010.4	1.490 1.492 1.492	1.171 1.168 1.165	34.692 34.692 34.692	27.786 27.786 27.787	45.869 46.085 46.189	27.763 27.763 27.764	44.5 44.7 44.7	31.002 31.225 31.332	90.2 90.2 90.2	1522.6 1523.5 1523.9	80485.4 82002.5 82734.5	1.4 1.7

Station	79	Latitude	31° 48.	31'N	Longit	ude 126°	12.21'W	31	Aug 1989	GMT 2	0:10	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	.0 10.0 19.9 29.9 39.9 49.8 59.8 69.8 79.7	19.088 19.056 19.029 19.023 18.617 18.356 17.006 16.153 15.767 15.581	19.088 19.055 19.026 19.018 18.610 18.347 16.997 16.142 15.755 15.567	33.447 33.444 33.444 33.445 33.478 33.478 33.573 33.626	23.813 23.820 23.827 23.829 23.918 23.94 24.348 24.559 24.706 24.789	23.813 23.864 23.914 23.959 24.092 24.215 24.611 24.866 25.058 25.185	23.813 23.820 23.826 23.827 23.916 23.995 24.346 24.556 24.703 24.786	407.9 407.5 407.2 407.5 399.3 392.1 358.8 339.0 325.3 317.7	.000 .408 .815 1.223 1.629 2.025 2.403 2.753 3.080 3.403	90.1 90.2 90.2 90.0 89.8 90.0 89.9 89.2 89.4	1517.8 1517.8 1517.9 1518.1 1517.1 1516.5 1512.7 1510.3 1509.4 1509.0	.0 2.0 8.1 18.3 32.5 50.7 72.8 98.5 127.6 159.9	26.6 1.1 2.0 181.4 105.3 319.4 382.8 30.2 178.3
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	15.005 13.941 13.537 13.542 12.931 12.453 11.862 11.155 10.713 10.163	14.990 13.926 13.521 13.524 12.912 12.433 11.842 11.134 10.692 10.142	33.616 33.452 33.484 33.581 33.592 33.607 33.610 33.602 33.615 33.657	24.908 25.007 25.115 25.189 25.320 25.425 25.540 25.663 25.752 25.880	25.348 25.494 25.648 25.766 25.943 26.094 26.254 26.425 26.561 26.735	24.904 25.004 25.112 25.185 25.317 25.421 25.536 25.659 25.749 25.876	306.6 297.2 287.1 280.4 268.0 258.2 247.4 235.7 227.3 215.3	3.714 4.016 4.309 4.592 4.867 5.129 5.382 5.626 6.075	89.4 89.6 89.8 90.0 90.2 90.1 90.2 90.2	1507.3 1503.9 1502.7 1503.0 1501.2 1497.8 1495.5 1494.1 1492.3	195.3 233.8 275.2 319.5 366.6 416.4 468.7 523.4 580.5 639.9	53.8 150.8 91.9 37.5 124.3 117.8 96.0 222.7 225.8 74.9
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.0 229.0 238.9 248.9 258.8 268.7 278.6 288.6	9.902 9.494 9.229 8.960 8.835 8.657 8.569 8.313 8.073 7.970	9.879 9.470 9.205 8.936 8.810 8.631 8.542 8.286 8.045 7.941	33.682 33.747 33.815 33.889 33.914 33.940 33.985 33.985 33.986 33.992	25.944 26.062 26.158 26.259 26.298 26.346 26.375 26.434 26.471 26.491	26.845 27.010 27.152 27.300 27.385 27.479 27.554 27.659 27.743 27.809	25.940 26.058 26.154 26.255 26.294 26.371 26.430 26.467 26.487	209.3 198.1 189.1 179.6 176.1 171.6 169.0 163.5 160.0 158.3	6.287 6.491 6.681 6.866 7.044 7.219 7.389 7.554 7.716	90.3 90.2 90.3 90.1 90.2 90.2 90.2 90.0	1491.6 1490.3 1489.6 1488.9 1488.6 1488.1 1488.1 1487.2 1486.4 1486.2	701.3 764.9 830.3 897.7 966.8 1037.6 1110.2 1184.4 1260.3 1337.7	34.8 230.6 18.2 37.2 44.5 63.8 41.3 25.4 42.7 8.1
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.2 348.2 358.1 368.0 378.0 387.9	7.788 7.599 7.438 7.286 7.113 7.029 6.851 6.742 6.601 6.470	7.759 7.568 7.407 7.255 7.081 6.996 6.818 6.708 6.566 6.435	33.996 34.003 34.013 34.021 34.021 34.025 34.027 34.033 34.046	26.520 26.554 26.585 26.612 26.636 26.648 26.676 26.715 26.715	27.885 27.965 28.042 28.117 28.187 28.245 28.320 28.382 28.452 28.527	26.516 26.550 26.580 26.608 26.631 26.643 26.671 26.687 26.711 26.738	155.5 152.4 149.6 147.0 144.8 143.7 141.1 139.7 137.5 134.9	8.032 8.187 8.338 8.486 8.632 8.776 8.919 9.059 9.198 9.334	90.0 89.9 90.2 90.0 90.1 90.7 90.7 90.7 90.7	1485.7 1485.1 1484.7 1484.3 1483.7 1483.6 1483.0 1482.8 1482.4 1482.1	1416.7 1497.3 1579.3 1662.9 1747.8 1834.3 1922.1 2011.3 2102.0 2193.9	20.1 25.6 31.7 35.5 4.4 28.1 31.3 19.9 10.5
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.3 477.2 487.1	6.321 6.181 6.098 5.996 5.836 5.707 5.630 5.553	6.286 6.145 6.061 5.959 5.798 5.668 5.590 5.513 5.462	34.060 34.065 34.066 34.073 34.075 34.085 34.098 34.107 34.119 34.126	26.773 26.796 26.807 26.825 26.833 26.855 26.881 26.898 26.898 26.917 26.928	28.604 28.674 28.732 28.796 28.850 28.919 28.992 29.055 29.171	26.769 26.791 26.803 26.821 26.828 26.850 26.876 26.893 26.912 26.924	132.1 129.9 128.9 127.2 126.6 124.5 122.1 120.6 118.8 117.8	9.468 9.599 9.728 9.856 9.983 10.108 10.231 10.352 10.472 10.590	90.7 90.7 90.7 90.7 90.7 90.6 90.7 90.6 90.6	1481.6 1481.3 1481.1 1480.8 1480.5 1480.2 1480.2 1479.9 1479.9	2287.2 2381.8 2477.7 2574.9 2573.3 2773.0 2873.9 2976.0 3079.3 3183.8	37.7 2.5 23.9 5.1 31.8 14.8 22.4 18.0 10.1 15.6
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0	497.0 506.9 516.8 526.8 536.7 546.6 556.5 566.4 576.3	5.468 5.429 5.398 5.378 5.329 5.283 5.193 5.1139	5.427 5.387 5.355 5.334 5.285 5.283 5.237 5.146 5.092 5.063	34.137 34.150 34.159 34.167 34.180 34.194 34.206 34.217 34.221 34.233	26.941 26.956 26.967 26.976 26.992 27.004 27.019 27.038 27.047 27.060	29.238 29.299 29.356 29.410 29.473 29.530 29.591 29.657 29.713 29.772	26.936 26.951 26.962 26.971 26.987 26.998 27.013 27.032 27.042 27.055	116.7 115.3 114.4 113.7 112.2 111.2 109.9 108.1 107.3 106.1	10.708 10.823 10.939 11.052 11.165 11.277 11.388 11.497 11.605 11.711	90.7 90.7 90.7 90.6 90.7 90.6 90.7 90.6 90.7	1479.9 1480.0 1480.0 1480.1 1480.3 1480.3 1480.1 1480.0 1480.1	3289.4 3396.2 3504.1 3613.1 3723.3 3834.6 3946.9 4060.4 4174.9 4290.5	23.5 15.9 19.4 17.1 14.8 13.9 21.5 14.5 11.0
600.0 610.0 620.0 630.0 640.0 650.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.7 655.6 665.5 685.4	5.087 5.061 4.991 4.969 4.936 4.919 4.886 4.871 4.852 4.791	5.038 5.012 4.941 4.918 4.884 4.868 4.833 4.817 4.798	34.244 34.256 34.271 34.276 34.285 34.293 34.302 34.305 34.312 34.319	27.071 27.084 27.104 27.111 27.122 27.130 27.141 27.145 27.153 27.165	29.830 29.888 29.955 30.008 30.119 30.176 30.226 30.280 30.338	27.066 27.078 27.098 27.105 27.116 27.124 27.135 27.139 27.147 27.159	105.1 104.0 102.2 101.6 100.6 100.0 99.7 98.0 96.9	11.817 11.922 12.025 12.127 12.228 12.328 12.427 12.526 12.625 12.722	90.7 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1480.2 1480.2 1480.1 1480.2 1480.4 1480.4 1480.5 1480.6 1480.5	4407.1 4524.7 4643.4 4763.1 4883.8 5005.4 5128.1 5251.7 5376.3 5501.9	10.4 18.6 11.3 11.3 7.2 8.3 9.7 4.5 6.9
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5 784.4	4.770 4.736 4.709 4.680 4.615 4.578 4.511 4.491 4.484 4.447	4.715 4.680 4.653 4.622 4.557 4.520 4.452 4.432 4.423 4.386	34.326 34.335 34.336 34.354 34.354 34.363 34.377 34.383 34.395	27.173 27.184 27.188 27.198 27.213 27.224 27.224 27.237 27.245 27.251 27.264	30.392 30.450 30.500 30.556 30.618 30.675 30.735 30.789 30.841 30.901	27.167 27.178 27.182 27.191 27.207 27.218 27.231 27.239 27.244 27.258	96.3 95.2 94.9 94.1 92.7 91.7 90.4 89.7 89.3 88.0	12.819 12.914 13.009 13.104 13.198 13.290 13.381 13.471 13.560 13.649	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.7 90.5	1480.6 1480.6 1480.7 1480.7 1480.7 1480.7 1480.6 1480.7 1480.8	5628.4 5755.9 5884.3 6013.6 6143.9 6275.0 6407.1 6540.1 6673.9 6808.6	13.6 9.8 2.2 10.4 15.7 9.2 8.6 1.9 10.7 12.5
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 890.0	794.3 804.2 814.1 824.0 833.9 8453.7 863.6 873.5 883.4	4.403 4.390 4.376 4.353 4.337 4.307 4.277 4.245 4.199 4.190	4.341 4.327 4.313 4.289 4.272 4.242 4.211 4.178 4.132 4.122	34.402 34.404 34.407 34.413 34.417 34.419 34.424 34.428 34.432 34.441	27.274 27.278 27.282 27.289 27.294 27.299 27.306 27.313 27.321 27.329	30.957 31.006 31.056 31.110 31.160 31.212 31.264 31.318 31.372 31.426	27.268 27.271 27.275 27.282 27.287 27.292 27.299 27.306 27.313 27.322	87.1 86.6 86.6 85.6 85.6 85.6 84.0 83.2	13.737 13.824 13.911 13.997 14.083 14.169 14.253 14.338 14.421 14.504	90.6 90.7 90.6 90.6 90.6 90.6 90.6 90.6	1480.8 1480.9 1481.1 1481.2 1481.3 1481.3 1481.4 1481.3 1481.5	6944.2 7080.6 7217.9 7356.1 7495.1 7634.9 7775.6 7917.1 8059.4 8202.5	14.8 -5 11.9 1.1 9.0 11.6 7.2 8.1 1.4 11.6
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.6 972.5 982.3	4.115 4.127 4.060 4.056 4.025 4.005 3.985 3.945 3.927 3.924	4.047 4.058 3.990 3.986 3.954 3.953 3.912 3.873 3.853 3.849	34.442 34.452 34.461 34.465 34.468 34.472 34.476 34.478	27.337 27.344 27.355 27.359 27.365 27.370 27.375 27.383 27.386 27.386	31.482 31.534 31.592 31.642 31.694 31.745 31.796 31.850 31.900 31.946	27.330 27.337 27.348 27.352 27.358 27.368 27.368 27.375 27.378	81.7 81.1 80.1 79.8 79.2 78.8 78.4 77.7 77.4	14.586 14.667 14.748 14.828 14.907 14.986 15.065 15.143 15.221 15.298	90.6 90.5 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1481.3 1481.6 1481.4 1481.6 1481.6 1481.7 1481.8 1481.8 1481.9	8346.5 8491.2 8636.8 8783.1 8930.2 9078.1 9226.7 9376.1 956.3 9677.2	3.7 8.7 2.3 .2 5.5 3.4 14.6 5.8 2.3 1.4

Station	79	Latitude	31* 48.	31'N	Longitu	ide 126°	12.21'W	31	Aug 1989	GMT 20	0:10	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1100.0 1120.0 1140.0 1160.0	992.2 1012.0 1031.8 1051.6 1071.3 1091.1 1110.9 1130.7 1150.4 1170.2	3.913 3.774 3.718 3.687 3.650 3.592 3.555 3.508 3.465 3.407	3.838 3.698 3.642 3.608 3.570 3.511 3.473 3.425 3.380 3.321	34.479 34.485 34.491 34.496 34.503 34.509 34.509 34.511 34.515	27.388 27.418 27.425 27.431 27.440 27.446 27.453 27.459 27.468	31.994 32.107 32.210 32.310 32.408 32.509 32.607 32.707 32.805 32.907	27.381 27.399 27.410 27.417 27.424 27.432 27.438 27.445 27.451 27.460	77.3 75.5 74.5 73.9 73.4 72.6 72.1 71.5 70.9 70.1	15.375 15.528 15.678 15.827 15.974 16.120 16.265 16.408 16.551 16.692	90.6 90.6 90.6 90.6 90.6 90.6 90.6	1482.2 1481.9 1482.0 1482.2 1482.5 1482.5 1482.7 1482.8 1483.0 1483.1	9828.9 10134.6 10443.2 10754.7 11069.2 11386.5 11706.6 12029.6 12355.3 12683.8	8.2 9.0 4.3 5.8 1.1 2.6 1.5 6.2
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0	1189.9 1209.7 1229.5 1249.2 1269.0 1288.7 1308.5 1328.2 1348.0 1367.7	3.336 3.255 3.201 3.146 3.101 3.018 2.989 2.961 2.946 2.929	3.249 3.168 3.112 3.056 3.010 2.926 2.896 2.866 2.850 2.832	34.521 34.524 34.526 34.525 34.531 34.531 34.531 34.531 34.531	27.479 27.490 27.496 27.501 27.509 27.517 27.520 27.523 27.525 27.526	33.011 33.116 33.215 33.312 33.412 33.515 33.610 33.705 33.798 33.890	27.471 27.482 27.488 27.500 27.509 27.512 27.515 27.516 27.517	69.0 67.9 67.3 66.8 66.2 65.2 65.0 64.8 64.7	16.831 16.968 17.103 17.238 17.370 17.502 17.632 17.762 17.891 18.021	90.6 90.6 90.5 90.6 90.5 90.5 90.5	1483.1 1483.2 1483.3 1483.4 1483.4 1483.6 1483.8 1484.1 1484.3	13015.1 13349.0 13685.6 14024.8 14366.7 14711.1 15058.0 15407.5 15759.5 16114.1	15.2 2.6 7.3 3.2 2.1 1.8 3.8 1.5 2.1
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.5 1407.2 1426.9 1446.7 1466.4 1486.2 1505.9 1525.6 1545.3 1565.1	2.902 2.868 2.865 2.855 2.849 2.803 2.804 2.803 2.796	2.804 2.769 2.764 2.752 2.744 2.698 2.696 2.718 2.693 2.684	34.532 34.530 34.531 34.534 34.540 34.543 34.554 34.558 34.558	27.529 27.531 27.532 27.535 27.545 27.547 27.554 27.560 27.563	33.986 34.079 34.171 34.265 34.361 34.459 34.552 34.648 34.746 34.840	27.521 27.522 27.523 27.526 27.530 27.536 27.538 27.545 27.550 27.554	64.4 64.2 64.3 64.1 63.8 63.1 62.7 62.2 62.0	18.149 18.278 18.407 18.535 18.663 18.790 18.916 19.043 19.167 19.292	90.6 90.5 90.5 90.5 90.5 90.5 90.5	1484.6 1484.8 1485.1 1485.7 1485.8 1486.2 1486.6 1486.8 1487.1	16471.1 16830.7 17192.7 17157.3 17924.4 18293.9 18665.9 19040.4 19417.3 19796.6	1.3 2 .4 .1 5.4 .5 .8 7.0 .2 3.8
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0	1584.8 1604.5 1624.2 1643.9 1663.7 1683.4 1703.1 1722.8 1742.5 1762.2	2.754 2.730 2.704 2.657 2.5594 2.560 2.539 2.513 2.487 2.458	2.641 2.615 2.588 2.539 2.476 2.440 2.418 2.391 2.364 2.333	34.566 34.579 34.580 34.586 34.589 34.590 34.592 34.594 34.594	27.571 27.578 27.586 27.591 27.601 27.609 27.609 27.613 27.617 27.622	34.939 35.038 35.137 35.235 35.338 35.435 35.530 35.625 35.720 35.817	27.561 27.568 27.575 27.581 27.591 27.596 27.599 27.603 27.606 27.611	61.3 60.7 60.0 59.4 58.4 57.9 57.6 57.2 57.0 56.5	19.415 19.537 19.657 19.777 19.894 20.010 20.126 20.241 20.355 20.468	90.5 90.5 90.5 90.5 90.5 90.5 90.5	1487.3 1487.5 1487.8 1487.9 1488.0 1488.2 1488.4 1488.9 1488.9	20178.3 20562.4 20948.9 21337.7 21728.7 22122.1 22517.7 22915.5 23315.5 23717.8	6.4 7.0 8.2 2.0 7.9 .6 4.1 5.6
1800.0 1820.0 1840.0 1860.0 1880.0 1900.0 1920.0 1940.0 1960.0	1781.9 1801.6 1821.3 1841.0 1860.7 1880.4 1900.1 1919.8 1939.5 1959.2	2.446 2.412 2.400 2.355 2.286 2.260 2.248 2.216 2.193 2.174	2.320 2.284 2.271 2.225 2.156 2.128 2.115 2.081 2.056 2.037	34.601 34.603 34.607 34.613 34.615 34.616 34.618 34.620 34.621	27.623 27.629 27.632 27.639 27.653 27.655 27.655 27.663 27.663	35.910 36.007 36.101 36.200 36.304 36.399 36.492 36.588 36.683 36.776	27.613 27.618 27.621 27.628 27.639 27.642 27.644 27.648 27.652 27.654	56.3 55.8 55.6 54.8 53.7 53.3 53.2 52.4 52.2	20.581 20.693 20.805 20.915 21.024 21.130 21.237 21.343 21.448 21.553	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1489.3 1489.5 1489.8 1490.0 1490.2 1490.5 1490.7 1491.0 1491.2	24122.2 24528.8 24937.6 25348.5 26176.6 26593.8 27013.0 27434.3 27857.5	1.6 4.5 6.6 5.1 7 3.4 1
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2350.0 2400.0 2450.0	1978.9 2028.1 2077.3 2126.4 2175.6 2224.8 2273.9 2323.1 2372.2 2421.3	2.165 2.106 2.039 2.006 1.982 1.958 1.928 1.893 1.869 1.843	2.025 1.964 1.893 1.856 1.829 1.801 1.767 1.728 1.699	34.621 34.627 34.633 34.636 34.639 34.645 34.645 34.648 34.649	27.667 27.676 27.686 27.691 27.696 27.701 27.705 27.711 27.714 27.718	36.868 37.106 37.345 37.576 37.807 38.037 38.268 38.499 38.727 38.957	27.655 27.664 27.675 27.680 27.684 27.688 27.693 27.698 27.701 27.705	52.1 51.2 50.2 49.7 49.4 48.7 48.2 48.0 47.6	21.657 21.915 22.169 22.418 22.666 22.912 23.157 23.399 23.639 23.878	90.4 90.5 90.4 90.4 90.4 90.4 90.3 90.4	1491.5 1492.1 1492.7 1493.4 1494.1 1494.8 1495.5 1496.2 1497.0 1497.7	28282.8 29354.8 30439.2 31535.6 32644.0 33764.3 34896.4 36040.2 37195.6 38362.4	1.4 2.0 4.1 3 3.9 3.3 3.4 1.4
2500.0 2550.0 2650.0 2700.0 2750.0 2800.0 2850.0 2900.0 2950.0	2470.4 2519.5 2568.6 2617.6 2666.7 2715.7 2764.8 2813.8 2862.8 2911.8	1.806 1.786 1.752 1.745 1.731 1.690 1.672 1.654 1.651	1.629 1.605 1.567 1.556 1.537 1.492 1.470 1.448 1.440	34.655 34.657 34.660 34.661 34.665 34.667 34.668 34.669 34.670	27.724 27.728 27.732 27.734 27.736 27.745 27.745 27.748 27.748 27.748	39.188 39.416 39.646 39.870 40.096 40.327 40.553 40.779 41.001 41.226	27.711 27.714 27.719 27.720 27.722 27.728 27.730 27.733 27.733	47.1 46.9 46.4 46.3 45.5 45.5 45.3	24.115 24.349 24.582 24.814 25.046 25.275 25.503 25.730 25.957 26.183	90.4 90.5 90.4 90.5 90.4 90.4 90.4	1498.4 1499.2 1499.9 1500.7 1501.5 1502.1 1502.9 1503.7 1504.5 1505.3	39540.7 40730.3 41931.0 43142.9 44365.9 45599.9 46844.9 48100.7 49367.3 50644.7	.3 1.5 2 3.4 -1.0 1.1 9 2.1
3000.0 3050.0 3100.0 3150.0 3200.0 3250.0 3280.0	2960.8 3009.8 3058.7 3107.7 3156.6 3205.6 3234.9	1.608 1.592 1.583 1.562 1.536 1.515	1.388 1.368 1.354 1.329 1.298 1.273 1.261	34.672 34.674 34.676 34.677 34.681 34.682 34.683	27.755 27.758 27.760 27.763 27.768 27.772 27.773	41.454 41.679 41.903 42.127 42.355 42.580 42.714	27.739 27.742 27.744 27.746 27.751 27.754 27.756	44.8 44.5 44.3 43.8 43.5 43.4	26.408 26.632 26.855 27.076 27.296 27.515 27.645	90.4 90.4 90.3 90.4 90.4 90.4	1506.0 1506.8 1507.6 1508.4 1509.1 1509.9	51933.0 53231.9 54541.4 55861.5 57192.2 58533.3 59342.9	7 1 3.8 .6 1.5

Station	80	Latitude	31' 45.	22'N	Longit	ude 126°	15.48'W	31	Aug 1989	GMT 2	2:48	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0	10.0 19.9 29.9 39.9 49.9 59.8 79.8 89.7	19.287 19.219 19.108 19.084 19.072 18.569 17.914 16.338 15.575 14.927	19.287 19.217 19.105 19.065 18.560 17.904 16.327 15.563 14.914	33.458 33.462 33.458 33.458 33.446 33.446 33.446 33.446 33.446	23.771 23.792 23.819 23.824 23.827 23.938 24.106 24.496 24.730 24.809	23.771 23.836 23.906 23.954 24.001 24.155 24.368 24.803 25.081 25.206	23.771 23.792 23.819 23.826 23.826 23.826 24.104 24.493 24.727 24.806	411.9 410.2 408.0 407.9 397.7 382.0 345.1 323.0 315.6	.000 .412 .820 1.228 1.636 2.041 2.434 2.795 3.127 3.446	90.1 90.1 90.0 89.9 89.8 89.8 89.8	1518.3 1518.3 1518.2 1518.3 1518.4 1517.1 1515.4 1510.8 1508.7 1506.7	.0 2.1 8.2 18.4 32.7 51.0 73.3 99.4 128.9 161.7	.0 66.0 3.0 2.3 5.1 70.2 501.6 338.9 197.6 82.8
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3	14.716 14.211 14.026 13.675 13.197 12.651 12.127 11.399 10.623 10.148	14.701 14.195 14.009 13.657 13.178 12.631 12.106 11.377 10.602 10.127	33.492 33.482 33.559 33.622 33.604 33.597 33.614 33.618 33.623 33.664	24.875 24.974 25.073 25.194 25.277 25.379 25.493 25.632 25.774 25.888	25.316 25.461 25.604 25.770 25.899 26.207 26.393 26.583 26.743	24.871 24.971 25.069 25.190 25.273 25.376 25.489 25.628 25.770 25.884	309.7 300.4 291.3 280.0 272.2 262.6 251.9 238.7 225.2 214.5	3.759 4.063 4.358 4.644 4.920 5.189 5.693 5.925 6.144	90.1 90.2 90.4 90.5 90.6 90.7 90.8 90.9	1506.3 1504.8 1504.4 1503.5 1502.1 1500.4 1498.8 1496.4 1493.8 1492.3	197.5 236.5 278.4 323.2 370.8 421.1 474.0 529.5 587.2 647.3	66.3 102.6 47.2 58.6 34.2 148.9 187.1 163.3 133.0 66.4
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.0 229.0 238.9 248.9 258.8 268.7 278.7 288.6	9.762 9.516 9.289 8.996 8.920 8.553 8.510 8.278 8.102 8.016	9.740 9.492 9.265 8.971 8.895 8.527 8.483 8.250 8.074 7.986	33.712 33.757 33.825 33.890 33.904 33.966 33.970 33.988 33.999 33.998	25.990 26.066 26.156 26.254 26.277 26.383 26.392 26.442 26.477 26.489	26.892 27.014 27.150 27.295 27.363 27.516 27.571 27.667 27.749 27.807	25.986 26.062 26.152 26.250 26.273 26.379 26.388 26.438 26.473 26.485	204.8 197.8 189.4 180.1 178.1 168.1 167.3 162.7 159.5 158.4	6.354 6.555 6.748 6.933 7.113 7.285 7.453 7.780 7.939	90.9 90.9 91.0 90.9 90.9 90.8 90.8 90.8	1491.1 1490.4 1489.8 1489.0 1488.9 1487.8 1487.8 1487.1 1486.6 1486.4	709.4 773.6 839.7 907.7 977.5 1049.0 1122.2 1197.1 1273.6 1351.7	88.3 136.6 51.9 61.5 52.2 62.4 25.5 50.9 45.6 18.4
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0	298.5 308.5 318.4 328.3 338.3 348.2 358.1 368.0 378.0 387.9	7.865 7.662 7.490 7.372 7.282 7.069 6.919 6.777 6.630 6.513	7.836 7.632 7.459 7.340 7.250 7.036 6.885 6.743 6.596 6.478	34.004 34.008 34.009 34.015 34.023 34.027 34.028 34.032 34.032	26.516 26.549 26.575 26.596 26.611 26.645 26.668 26.688 26.711 26.733	27.880 27.959 28.032 28.099 28.160 28.242 28.312 28.378 28.448 28.517	26.512 26.544 26.570 26.591 26.606 26.664 26.664 26.706 26.729	156.0 152.9 150.5 148.6 147.3 144.1 141.9 140.1 137.9 135.9	8.096 8.250 8.402 8.552 8.699 8.845 8.988 9.129 9.268 9.405	90.7 90.6 90.5 90.4 90.2 90.0 89.8 89.6	1486.0 1485.4 1484.9 1484.6 1484.4 1483.3 1482.9 1482.5 1482.2	1431.3 1512.5 1595.1 1679.3 1765.0 1852.1 1940.6 2030.5 2121.8 2214.5	10.7 32.4 22.4 12.1 15.9 15.6 19.9 18.7 19.0 9.9
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.7 427.6 437.5 447.4 457.4 467.3 477.2 487.1	6.427 6.326 6.133 6.026 5.975 5.917 5.813 5.704 5.653	6.391 6.290 6.096 5.989 5.937 5.879 5.773 5.748 5.664 5.612	34.049 34.053 34.065 34.069 34.071 34.076 34.086 34.090 34.099 34.108	26.752 26.768 26.802 26.818 26.827 26.838 26.859 26.865 26.883 26.896	28.582 28.644 28.726 28.789 28.844 28.901 29.021 29.086 29.145	26.747 26.763 26.797 26.814 26.822 26.833 26.854 26.860 26.878 26.891	134.2 132.7 129.5 127.9 127.2 126.3 124.2 123.8 122.2 121.0	9.540 9.673 9.805 9.934 10.061 10.188 10.313 10.437 10.560 10.682	89.1 88.8 88.5 88.1 87.8 87.7 87.4 87.3 87.2	1482.0 1481.8 1481.2 1481.0 1480.9 1480.9 1480.6 1480.7 1480.5	2308.5 2403.9 2500.5 2598.5 2697.7 2798.1 2899.1 3002.8 3106.9 3212.3	27.8 12.8 29.8 8.1 6.3 14.8 2.5 20.4 4.8 1.9
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 507.0 516.9 526.8 536.7 546.6 556.5 566.5 576.4 586.3	5.569 5.548 5.479 5.428 5.383 5.347 5.313 5.304 5.262 5.227	5.527 5.505 5.436 5.384 5.339 5.267 5.267 5.257 5.214 5.179	34.122 34.124 34.142 34.154 34.163 34.167 34.183 34.195 34.206 34.221	26.917 26.921 26.944 26.960 26.972 26.980 26.997 27.007 27.021 27.037	29.213 29.263 29.332 29.394 29.453 29.569 29.625 29.685 29.747	26.912 26.916 26.939 26.955 26.967 26.975 26.991 27.002 27.015 27.031	119.0 118.7 116.7 115.2 114.1 113.5 112.0 111.1 109.9 108.5	10.802 10.920 11.038 11.154 11.269 11.383 11.495 11.607 11.717 11.826	87.1 87.2 87.7 88.0 88.3 88.7 89.0 89.4 89.7	1480.3 1480.4 1480.3 1480.3 1480.3 1480.3 1480.5 1480.5	3318.8 3426.6 3535.4 3645.5 3756.7 3869.0 3982.4 4096.9 4212.6 4329.3	6.0 18.6 21.8 13.0 6.6 13.6 10.4 11.3 16.0
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0 690.0	596.2 606.1 616.0 625.9 635.8 645.7 665.6 675.5 685.4	5.172 5.107 5.079 5.042 4.998 4.970 4.904 4.859 4.774 4.755	5.123 5.057 5.029 4.991 4.947 4.918 4.851 4.806 4.741 4.701	34.232 34.234 34.253 34.264 34.274 34.289 34.295 34.306 34.313 34.321	27.052 27.062 27.080 27.093 27.106 27.121 27.133 27.147 27.160 27.171	29.809 29.865 29.930 29.989 30.048 30.109 30.168 30.229 30.288 30.345	27.047 27.056 27.074 27.087 27.100 27.115 27.127 27.141 27.154 27.165	107.1 106.2 104.5 103.4 102.2 100.9 99.8 98.5 97.3 96.3	11.934 12.041 12.146 12.250 12.353 12.455 12.555 12.654 12.752 12.849	90.1 90.2 90.3 90.3 90.4 90.4 90.4	1480.5 1480.4 1480.5 1480.5 1480.5 1480.6 1480.5 1480.5 1480.4	4447.0 4565.9 4685.7 4806.6 4928.5 5051.5 5175.4 5300.3 5426.1 5553.0	1.3 2.5 16.8 11.6 2.8 12.2 22.1 11.9 8.3 11.3
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5 784.4	4.721 4.685 4.648 4.640 4.602 4.565 4.522 4.490 4.488 4.455	4.666 4.629 4.592 4.583 4.544 4.507 4.462 4.431 4.427 4.394	34.331 34.337 34.348 34.353 34.359 34.363 34.370 34.380 34.381 34.391	27.183 27.192 27.204 27.210 27.219 27.226 27.236 27.247 27.249 27.260	30.403 30.458 30.517 30.568 30.624 30.677 30.734 30.792 30.839 30.896	27.177 27.185 27.198 27.203 27.212 27.219 27.229 27.241 27.243 27.253	95.3 94.5 93.3 92.9 92.5 90.5 89.5 89.5	12.944 13.039 13.133 13.226 13.319 13.410 13.502 13.592 13.681 13.770	90.4 90.4 90.4 90.5 90.4 90.5 90.4 90.5	1480.4 1480.5 1480.6 1480.6 1480.6 1480.6 1480.7 1480.8 1480.9	5680.7 5809.4 5939.1 6069.6 6201.1 6333.5 6466.7 6600.9 6735.9 6871.8	6.9 12.4 14.5 12.7 14.5 4.8 19.5 6.3 1.3
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.445 4.391 4.372 4.344 4.333 4.308 4.281 4.274 4.245 4.232	4.383 4.329 4.308 4.280 4.268 4.243 4.215 4.207 4.177 4.164	34.402 34.403 34.409 34.410 34.415 34.422 34.423 34.428 34.430	27.266 27.276 27.279 27.287 27.289 27.295 27.304 27.306 27.313 27.316	30.948 31.004 31.054 31.107 31.155 31.208 31.263 31.310 31.363 31.412	27.259 27.269 27.273 27.279 27.282 27.288 27.297 27.299 27.306 27.309	88.0 87.1 86.8 86.2 85.5 84.7 84.7 84.8	13.859 13.946 14.033 14.120 14.206 14.291 14.376 14.461 14.545 14.629	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1481.0 1480.9 1481.0 1481.1 1481.2 1481.3 1481.3 1481.5 1481.5	7008.6 7146.3 7284.8 7424.1 7564.3 7705.4 7847.3 7990.0 8133.5 8277.9	17.2 7.5 3.1 10.4 3.4 2.6 1.7 4.0 12.8 2.6
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.6 972.5 982.4	4.224 4.193 4.141 4.121 4.071 4.047 4.033 4.012 3.976 3.957	4.155 4.123 4.070 4.050 4.050 3.975 3.960 3.939 3.902 3.882	34.434 34.447 34.447 34.452 34.458 34.463 34.463 34.471	27.320 27.327 27.336 27.341 27.350 27.357 27.363 27.363 27.366 27.375	31.462 31.515 31.572 31.622 31.678 31.731 31.783 31.887 31.887	27.312 27.319 27.329 27.333 27.343 27.350 27.355 27.358 27.367 27.370	83.5 82.9 82.0 81.6 80.7 80.1 79.7 79.5 78.4	14.713 14.796 14.879 14.961 15.042 15.122 15.202 15.282 15.361 15.439	90.5 90.6 90.5 90.5 90.5 90.5 90.5 90.5	1481.8 1481.8 1481.8 1481.8 1481.9 1482.0 1482.1 1482.1	8423.1 8569.1 8715.9 8863.6 9012.0 9161.2 9311.2 9462.0 9613.6 9765.9	5.8 9.6 16.9 6.1 8.7 4.6 5.8 4.3

Station	80	Latitude	31. 45.2	22'N	Longitu	de 126°	15.48'W	31	Aug 1989	GMT 22	:48	Bottom	1400 m
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-θ kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0 1180.0	992.3 1012.0 1031.8 1051.6 1071.4 1091.1 1110.9 1130.7 1150.4 1170.2	3.938 3.872 3.766 3.685 3.638 3.569 3.552 3.526 3.482 3.483	3.862 3.795 3.689 3.559 3.488 3.470 3.442 3.398 3.397	34.473 34.484 34.495 34.500 34.501 34.507 34.508 34.509 34.512 34.512	27.382 27.396 27.416 27.429 27.434 27.446 27.451 27.458 27.458	31.986 32.094 32.207 32.313 32.411 32.515 32.610 32.705 32.804 32.895	27.374 27.389 27.408 27.421 27.427 27.438 27.440 27.444 27.450 27.450	78.1 76.7 74.8 73.6 73.1 72.0 71.9 71.6 71.1	15.517 15.672 15.824 15.972 16.118 16.263 16.407 16.693 16.835	90.5 90.5 90.5 90.5 90.5 90.5 90.5	1482.3 1482.3 1482.2 1482.2 1482.4 1482.4 1482.7 1482.9 1483.0 1483.4	9919.0 10227.5 10539.0 10853.4 11170.6 11490.8 11813.7 12139.5 12468.0 12799.4	5.8 3.5 13.4 4.6 14.0 3 6 4.1
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1346.0	1190.0 1209.7 1229.5 1249.3 1269.0 1288.8 1308.5 1328.3 1334.2	3.405 3.371 3.329 3.227 3.155 3.052 2.938 2.923 2.928	3.318 3.282 3.239 3.137 3.063 2.959 2.845 2.829 2.833	34.519 34.521 34.528 34.528 34.525 34.526 34.524 34.522 34.523	27.471 27.476 27.483 27.495 27.500 27.510 27.519 27.520 27.520	33.001 33.098 33.197 33.304 33.403 33.507 33.611 33.703 33.730	27.463 27.468 27.474 27.487 27.492 27.502 27.511 27.511 27.511	70.0 69.5 69.0 67.6 67.1 66.0 64.9 64.9	16.976 17.116 17.254 17.391 17.525 17.658 17.789 17.918 17.957	90.5 90.5 90.6 90.5 90.5 90.5 90.5	1483.4 1483.6 1483.7 1483.6 1483.7 1483.4 1483.6 1483.8	13133.5 13470.3 13809.9 14152.1 14497.0 14844.5 15194.5 15547.1 15653.4	4.4 5.9 1.2 1.8 8.8 11.5 2.1

Station	81	Latitude	31. 40.	81'N	Longit	ude 126°	17.03'W	01	Sep 1989	GMT 00	0:30	Bottom	3000 m
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
10.0 20.0 30.0 40.0 50.0 60.0 70.0 90.0	10.0 19.9 29.9 39.9 49.8 59.8 69.8	19.182 19.134 19.059 19.046 18.761 18.378 17.387 15.912 15.483	19.182 19.132 19.055 19.041 18.754 18.369 17.377 15.901 15.737 15.470	33.428 33.427 33.423 33.423 33.444 33.463 33.473 33.539 33.568 33.676	23.775 23.787 23.803 23.807 23.895 24.005 24.254 24.706 24.850	23.775 23.830 23.890 23.937 24.069 24.223 24.516 24.955 25.246	23.775 23.786 23.803 23.806 23.893 24.003 24.252 24.703 24.846	411.5 410.7 409.5 409.5 401.5 391.3 367.8 330.6 325.3 311.9	.000 .412 .822 1.231 1.638 2.032 2.418 2.770 3.099 3.416	90.0 90.0 90.0 89.8 89.8 89.9 89.8 90.0 90.0	1518.0 1518.0 1518.1 1517.5 1516.6 1513.8 1509.6 1509.3 1508.8	.0 2.1 8.2 18.4 32.7 51.0 73.2 99.1 128.4 160.8	1.3 6.1 3.2 98.9 4.0 325.6 131.2 105.7
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.3 179.3 189.2	15.431 15.155 14.901 14.268 13.516 12.925 12.436 11.664 11.247 10.425	15.415 15.139 14.883 14.249 13.497 12.905 12.415 11.643 11.225 10.403	33.713 33.723 33.748 33.765 33.674 33.625 33.597 33.577 33.556 33.575	24.890 24.958 25.033 25.181 25.267 25.347 25.421 25.551 25.611 25.771	25.330 25.563 25.756 25.888 26.014 26.134 26.418 26.625	24.886 24.955 25.029 25.177 25.263 25.343 25.417 25.607 25.767	308.4 302.1 295.2 281.3 273.3 265.8 258.9 240.9 225.7	3.726 4.032 4.330 4.617 4.895 5.165 5.426 5.920 6.154	90.2 90.1 90.2 90.7 90.6 90.7 90.8 90.8 90.9	1508.8 1508.1 1507.5 1505.6 1503.2 1501.3 1499.8 1497.3 1495.9 1493.2	196.4 235.0 276.6 321.2 368.5 418.6 471.3 526.5 584.2 644.2	67.6 126.8 155.4 118.1 56.2 158.0 224.4 32.7 70.7 112.7
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.1 229.0 238.9 248.9 258.8 268.7 278.7 288.6	9.880 9.467 9.187 8.938 8.736 8.585 8.432 8.332 8.189 7.969	9.857 9.443 9.163 8.913 8.710 8.559 8.405 8.304 8.161 7.940	33.662 33.741 33.805 33.883 33.928 33.946 33.969 33.984 33.992 33.998	25.931 26.061 26.157 26.257 26.325 26.362 26.403 26.430 26.459 26.496	26.833 27.010 27.152 27.298 27.412 27.495 27.583 27.655 27.730 27.813	25.928 26.057 26.153 26.253 26.358 26.358 26.399 26.426 26.454 26.492	210.5 198.2 189.2 179.8 173.5 170.1 166.3 163.9 161.3 157.8	6.372 6.575 6.769 6.953 7.130 7.302 7.471 7.636 7.798 7.958	90.9 90.9 90.9 90.9 90.9 90.8 90.9 90.8	1491.5 1490.2 1489.4 1488.8 1488.2 1487.8 1487.5 1487.3 1486.9	706.5 770.9 837.2 905.4 975.4 1047.1 1120.5 1195.5 1272.2 1350.5	100.9 60.4 103.1 -2.3 56.2 45.4 42.7 41.8 14.0 34.7
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0	298.5 308.5 318.4 328.3 338.2 358.1 368.0 378.0 387.9	7.754 7.601 7.431 7.226 6.993 6.774 6.686 6.508 6.407 6.296	7.725 7.570 7.401 7.195 6.962 6.742 6.653 6.475 6.373 6.261	34.002 34.004 34.009 34.020 34.008 34.011 34.018 34.014 34.017 34.026	26.531 26.554 26.583 26.620 26.643 26.675 26.692 26.713 26.728 26.750	27.896 27.965 28.041 28.125 28.195 28.274 28.338 28.406 28.468 28.535	26.527 26.550 26.579 26.616 26.638 26.6671 26.688 26.708 26.724 26.745	154.5 152.4 149.7 146.2 144.0 139.4 137.5 136.1 134.1	8.114 8.268 8.419 8.567 8.712 8.855 8.995 9.134 9.271 9.405	90.8 90.8 90.8 90.8 90.6 90.6 90.6	1485.6 1485.1 1484.6 1484.0 1483.3 1482.6 1482.4 1481.8 1481.6	1430.3 1511.6 1594.5 1678.8 1764.6 1851.8 1940.4 2030.4 2121.8 2214.5	23.3 31.8 18.0 61.6 32.2 40.4 10.2 26.6 26.0
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.7 427.6 437.5 447.4 457.4 467.3 477.2 487.1	6.189 6.044 5.984 5.8834 5.763 5.658 5.578 5.578	6.154 6.009 5.958 5.843 5.797 5.725 5.619 5.554 5.538 5.500	34.030 34.044 34.053 34.067 34.071 34.084 34.090 34.095 34.104 34.122	26.767 26.796 26.810 26.835 26.844 26.864 26.881 26.893 26.902 26.920	28.600 28.676 28.735 28.807 28.863 28.928 28.993 29.051 29.106 29.170	26.763 26.792 26.805 26.830 26.840 26.859 26.876 26.888 26.897 26.915	132.5 129.8 128.6 126.2 125.4 123.7 122.0 121.0 120.2 118.6	9.539 9.670 9.799 9.926 10.052 10.177 10.300 10.421 10.542 10.661	90.5 90.5 90.4 90.4 90.5 90.5 90.5 90.5	1481.1 1480.7 1480.6 1480.4 1480.4 1480.2 1480.0 1479.9 1480.0 1480.1	2308.5 2403.8 2500.4 2598.3 2697.4 2797.8 2899.3 3002.1 3106.1 3211.3	11.9 18.9 17.7 5.1 12.7 25.9 12.1 11.5 18.6
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 507.0 516.9 526.8 536.7 546.5 556.5 566.5 576.4 586.3	5.487 5.448 5.377 5.301 5.269 5.233 5.201 5.160 5.120 5.082	5.446 5.406 5.335 5.257 5.225 5.188 5.155 5.153 5.073	34.140 34.151 34.157 34.164 34.178 34.193 34.209 34.225 34.222 34.233	26.942 26.955 26.968 26.982 26.997 27.013 27.030 27.050 27.050 27.063	29.238 29.298 29.357 29.418 29.479 29.541 29.660 29.717 29.776	26.937 26.950 26.963 26.977 26.992 27.008 27.025 27.034 27.045 27.058	116.6 115.5 114.3 112.9 111.6 110.2 108.7 107.9 106.9 105.8	10.779 10.894 11.009 11.123 11.235 11.346 11.456 11.564 11.671 11.778	90.6 90.6 90.5 90.6 90.6 90.6 90.6 90.6	1480.0 1480.0 1479.9 1479.8 1479.8 1479.9 1479.9 1479.9 1479.9	3317.6 3425.1 3533.7 3643.4 3754.3 3866.2 3979.3 4093.4 4208.6 4324.8	22.7 4.5 13.9 10.9 6.3 5.4 23.5 4.2 15.6 5.7
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.7 665.6 675.5 685.4	5.031 4.991 4.969 4.980 4.880 4.861 4.761 4.748 4.698	4.983 4.942 4.920 4.859 4.830 4.760 4.760 4.695 4.644	34.249 34.257 34.272 34.279 34.293 34.305 34.313 34.322 34.326 34.332	27.082 27.093 27.108 27.120 27.134 27.146 27.158 27.171 27.176 27.186	29.841 29.898 29.959 30.017 30.078 30.135 30.194 30.254 30.304 30.361	27.076 27.087 27.102 27.114 27.128 27.140 27.152 27.165 27.170 27.180	104.1 103.1 101.8 100.7 99.4 98.4 97.3 96.1 95.7 94.8	11.882 11.986 12.089 12.190 12.290 12.388 12.486 12.583 12.679 12.774	90.6 90.5 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1479.9 1479.9 1480.0 1480.0 1480.0 1480.1 1480.1 1480.1 1480.2 1480.2	4442.1 4560.4 4679.7 4800.0 4921.3 5043.6 5166.8 5291.0 5416.2 5542.3	10.7 25.0 22.7 10.7 10.7 4.8 20.9 4.2 10.4 11.0
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5 784.4	4.679 4.663 4.619 4.566 4.547 4.547 4.506 4.466 4.446 4.401	4.624 4.608 4.563 4.509 4.490 4.489 4.447 4.406 4.385 4.340	34.337 34.343 34.354 34.364 34.367 34.375 34.378 34.387 34.394 34.397	27.192 27.199 27.213 27.226 27.231 27.237 27.244 27.255 27.263 27.271	30.413 30.466 30.526 30.586 30.637 30.689 30.742 30.800 30.854 30.908	27.186 27.193 27.206 27.220 27.225 27.231 27.238 27.249 27.257 27.264	94.3 93.7 92.5 91.2 90.9 90.4 89.8 88.8 88.1	12.869 12.963 13.056 13.148 13.239 13.329 13.419 13.509 13.597 13.685	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1480.2 1480.4 1480.3 1480.4 1480.6 1480.6 1480.6 1480.7 1480.6	5669.3 5797.3 5926.1 6055.9 6186.6 6318.1 6450.6 6450.6 6718.1 6853.2	5.4 12.1 21.5 2.8 9.2 7.2 7.8 10.7 8.7 13.9
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.7 863.6 873.5 883.4	4.337 4.328 4.336 4.301 4.266 4.246 4.234 4.187 4.157 4.103	4.276 4.266 4.273 4.238 4.202 4.181 4.168 4.121 4.090 4.036	34.402 34.407 34.418 34.421 34.423 34.427 34.429 34.435 34.435	27.282 27.286 27.294 27.301 27.306 27.311 27.315 27.324 27.328 27.335	30.965 31.016 31.070 31.123 31.174 31.226 31.274 31.330 31.381 31.435	27.275 27.280 27.288 27.294 27.299 27.305 27.308 27.317 27.321 27.328	86.3 86.0 85.3 84.8 84.3 83.6 82.8 82.4 81.7	13.772 13.858 13.943 14.028 14.113 14.197 14.281 14.364 14.447 14.529	90.5 90.5 90.6 90.6 90.6 90.5 90.5	1480.6 1480.7 1480.9 1480.9 1481.0 1481.1 1481.1 1481.1	6989.2 7125.9 7263.6 7402.0 7541.3 7681.4 7822.4 7964.1 8106.7 8250.1	6.0 3.1 9.8 6.9 3.4 4.0 8.4 11.0
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.6 972.5 982.4	4.093 4.036 4.009 3.997 3.997 3.924 3.913 3.893 3.852	4.025 3.967 3.940 3.927 3.903 3.856 3.852 3.841 3.820 3.779	34.445 34.448 34.451 34.455 34.460 34.464 34.468 34.471 34.471	27.339 27.348 27.354 27.357 27.362 27.371 27.375 27.379 27.383 27.390	31.484 31.540 31.592 31.642 31.693 31.749 31.798 31.848 31.898 31.952	27.331 27.341 27.346 27.350 27.355 27.364 27.368 27.372 27.376 27.383	81.5 80.6 80.1 79.8 79.4 78.5 78.2 78.0 77.6	14.610 14.691 14.772 14.852 14.931 15.010 15.089 15.167 15.244 15.322	90.5 90.6 90.5 90.5 90.5 90.5 90.5 90.5	1481.2 1481.2 1481.2 1481.3 1481.4 1481.4 1481.5 1481.7 1481.7	8394.3 8539.3 8685.0 8831.6 8978.9 9127.1 9275.9 9425.6 9576.0 9727.2	6.0 5.8 6.6 7.8 11.3 6.7 4.6 10.2

Station	81	Latitude	31. 40.	81'N	Longitu	ide 126°	17.03'W	01	Sep 1989	GMT 0	0:30	Bottom	_
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0 1180.0	992.3 1012.0 1031.8 1051.6 1071.4 1091.1 1110.9 1130.7 1150.4 1170.2	3.815 3.756 3.729 3.713 3.675 3.619 3.561 3.496 3.450	3.741 3.680 3.652 3.534 3.595 3.538 3.522 3.477 3.411 3.364	34.479 34.486 34.493 34.502 34.509 34.509 34.513 34.519 34.522	27.398 27.410 27.419 27.424 27.431 27.442 27.444 27.452 27.462 27.469	32.006 32.111 32.211 32.308 32.407 32.510 32.604 32.704 32.807 32.907	27.391 27.403 27.411 27.416 27.424 27.434 27.436 27.443 27.454 27.454	76.2 75.1 74.4 74.0 73.4 72.5 72.5 71.8 70.8 70.1	15.398 15.550 15.699 15.848 15.995 16.141 16.286 16.431 16.573 16.714	90.6 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1481.8 1481.9 1482.1 1482.3 1482.5 1482.6 1482.9 1483.0 1483.1 1483.2	9879.1 10185.2 10494.2 10806.2 11121.0 11438.7 11759.3 12082.7 12408.9 12737.8	2.3 7.3 4.0 .3 .9 5.0 .0 7.3 2.6 5.3
1200.0 1220.0 1240.0 1260.0 1380.0 1320.0 1340.0 1360.0 1380.0	1190.0 1209.7 1229.5 1249.2 1269.0 1288.8 1308.5 1328.3 1348.0 1367.7	3.401 3.362 3.323 3.281 3.219 3.184 3.150 3.127 3.112 3.067	3.313 3.274 3.233 3.190 3.127 3.091 3.056 3.031 3.014 2.968	34.527 34.533 34.535 34.535 34.535 34.537 34.540 34.543 34.546	27.478 27.485 27.490 27.497 27.502 27.507 27.513 27.518 27.521 27.528	33.008 33.107 33.205 33.304 33.402 33.499 33.597 33.694 33.788 33.887	27.470 27.476 27.482 27.488 27.493 27.498 27.504 27.509 27.512 27.519	69.3 68.8 68.2 67.7 67.2 66.2 65.8 65.6	16.853 16.991 17.128 17.264 17.399 17.533 17.666 17.798 17.929 18.060	90.5 90.6 90.5 90.5 90.5 90.5 90.5 90.5	1483.4 1483.5 1483.7 1483.9 1483.9 1484.1 1484.3 1484.6 1484.8 1485.0	13069.5 13403.9 13741.0 14080.7 14423.1 14768.1 15115.7 15465.9 15818.7 16174.0	4.4 .9 5.0 5.0 4.2 1.5 3.6 4.2 6.3
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.5 1407.2 1427.0 1446.7 1466.4 1486.2 1505.9 1525.6 1545.4 1565.1	3.042 3.023 2.997 2.965 2.940 2.904 2.881 2.855 2.801 2.770	2.942 2.921 2.894 2.860 2.834 2.797 2.772 2.745 2.691 2.658	34.551 34.555 34.555 34.557 34.559 34.564 34.566 34.568 34.568	27.533 27.535 27.539 27.544 27.554 27.558 27.562 27.568 27.574	33.983 34.077 34.173 34.270 34.366 34.464 34.559 34.655 34.753 34.852	27.523 27.526 27.530 27.535 27.539 27.545 27.548 27.552 27.558 27.555	64.6 64.4 64.1 63.6 63.3 62.5 62.5 62.1 61.5 60.9	18.190 18.319 18.447 18.575 18.702 18.828 18.954 19.078 19.202 19.324	90.5 90.4 90.5 90.5 90.5 90.5 90.4 90.4	1485.2 1485.4 1485.7 1485.9 1486.3 1486.5 1486.7 1486.8 1487.0	16531.8 16892.2 17255.0 17620.4 17988.2 18358.5 18731.3 19106.5 19484.1	5.7 4.8 6.0 1.0 3.7 1.1 9.0 2.6 9.3
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.5 1624.3 1644.0 1663.7 1683.4 1703.1 1722.8 1742.5 1762.2	2.737 2.714 2.695 2.655 2.627 2.597 2.569 2.529 2.497 2.467	2.624 2.599 2.579 2.538 2.508 2.477 2.448 2.407 2.374 2.342	34.573 34.575 34.578 34.581 34.583 34.586 34.587 34.591 34.593 34.596	27.578 27.581 27.585 27.592 27.596 27.600 27.604 27.611 27.615 27.620	34.947 35.042 35.137 35.236 35.332 35.428 35.524 35.524 35.719 35.815	27.568 27.571 27.575 27.582 27.586 27.590 27.594 27.601 27.605 27.609	60.6 60.3 60.0 59.3 59.0 58.5 58.5 57.1	19.446 19.567 19.687 19.806 19.925 20.042 20.159 20.274 20.389 20.503	90.4 90.5 90.5 90.4 90.4 90.4 90.5	1487.2 1487.5 1487.7 1487.9 1488.3 1488.3 1488.5 1488.7 1488.9	20246.4 20631.1 21018.2 21407.5 21799.2 22193.2 22589.4 22987.9 23388.6 23791.5	2.6 2.3 1.5 5.0 2.1 5.4 3.5 1.8
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1781.9 1801.7 1821.3 1841.1 1860.7 1880.4 1900.1 1919.8 1939.5 1959.2	2.410 2.396 2.351 2.328 2.309 2.285 2.252 2.219 2.200 2.192	2.284 2.268 2.222 2.199 2.178 2.152 2.118 2.085 2.063 2.054	34.600 34.605 34.605 34.609 34.611 34.614 34.616 34.618 34.618	27.628 27.629 27.637 27.640 27.644 27.648 27.653 27.658 27.661 27.663	35.916 36.008 36.108 36.202 36.298 36.393 36.490 36.586 36.681 36.773	27.618 27.619 27.626 27.629 27.633 27.637 27.642 27.647 27.650 27.652	55.7 55.7 54.9 54.6 54.3 53.9 52.9 52.6 52.5	20.616 20.727 20.837 20.947 21.056 21.164 21.272 21.378 21.483 21.589	90.4 90.4 90.4 90.4 90.4 90.4 90.4	1489.2 1489.5 1489.6 1489.9 1490.1 1490.3 1490.5 1490.7 1491.0 1491.3	24196.7 24604.0 25013.4 25424.9 25838.6 26254.4 26672.2 27092.2 27514.1 27938.1	2.4 15.3 1.3 4.2 3.1 3.7 5.1
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2300.0 2350.0 2400.0 2450.0	1978.9 2028.1 2077.3 2126.5 2175.6 2224.8 2273.9 2323.1 2372.2 2421.3	2.174 2.120 2.072 2.032 1.987 1.953 1.929 1.894 1.862 1.844	2.034 1.977 1.925 1.882 1.833 1.796 1.768 1.729 1.692 1.671	34.621 34.625 34.631 34.634 34.638 34.642 34.645 34.647 34.650 34.650	27.665 27.673 27.682 27.688 27.695 27.701 27.705 27.710 27.715 27.718	36.867 37.102 37.339 37.571 37.805 38.037 38.268 38.498 38.729 38.956	27.654 27.661 27.670 27.676 27.683 27.688 27.693 27.698 27.702 27.705	52.3 51.5 50.7 50.2 49.6 49.7 48.3 47.9	21.693 21.953 22.208 22.461 22.710 22.956 23.201 23.443 23.684 23.923	90.4 90.4 90.4 90.4 90.3 90.3	1491.5 1492.2 1492.8 1493.5 1494.1 1494.8 1495.6 1496.2 1496.9	28364.1 29438.0 30524.2 31622.7 32733.3 33855.8 34990.0 36136.0 37293.5 38462.6	2.3 2.9 -1.5 1.2 1.3 7 2.3 3.2
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2900.0	2470.4 2519.5 2568.6 2617.7 2666.7 2715.8 2764.8 2813.8 2862.8 2911.8	1.835 1.805 1.782 1.766 1.745 1.729 1.703 1.675 1.661	1.658 1.624 1.597 1.576 1.551 1.531 1.501 1.469 1.450 1.427	34.652 34.655 34.658 34.661 34.662 34.664 34.666 34.667 34.669	27.719 27.724 27.728 27.730 27.734 27.737 27.741 27.745 27.747 27.750	39.182 39.411 39.639 39.865 40.093 40.319 40.547 40.774 40.999 41.225	27.706 27.711 27.714 27.716 27.720 27.722 27.726 27.729 27.731 27.735	47.7 47.3 47.0 46.9 46.5 46.5 45.7 45.6	24.161 24.398 24.633 24.868 25.102 25.334 25.566 25.795 26.023 26.251	90.3 90.4 90.3 90.4 90.4 90.3 90.3	1498.5 1499.2 1500.0 1500.8 1501.5 1502.3 1503.0 1503.8 1504.6 1505.3	39643.1 40835.1 42038.3 43252.8 44478.5 45715.3 46963.3 48222.2 49492.1 50772.8	-1.4 .9 .1 -1.0 .2 1.1 -1.2 -1.7 5
3000.0 3050.0 3070.0	2960.8 3009.8 3029.4	1.628 1.616 1.612	1.408 1.392 1.385	34.670 34.672 34.673	27.752 27.754 27.756	41.449 41.674 41.763	27.736 27.738 27.739	45.3 45.1 45.1	26.477 26.704 26.794	90.3 90.4 90.4	1506.1 1506.9 1507.2	52064.4 53366.7 53890.7	3.1 .0

Station	82	Latitude	31. 31.	11'N	Longit	ude 126°	23.28'W	01	Sep 1989	GMT 0		Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	kg/m ³	10 ⁸ m ³ /k	Dyn.Ht g J/kg	LTR 0/0	SV m/s	m ³ /s ²	
.0 10.0 20.0 30.0 40.0 50.0 70.0 80.0 90.0	.0 10.0 20.0 29.9 39.9 49.9 59.8 69.8 79.8	19.341 19.337 19.218 19.187 19.188 19.059 17.645 15.645 16.6118 14.917	19.341 19.335 19.215 19.182 19.181 19.050 17.635 15.634 16.105 14.903	33.439 33.440 33.456 33.450 33.504 33.486 33.403 33.730 33.592	23.743 23.746 23.788 23.792 23.828 23.866 24.202 24.202 24.748 24.908	23.743 23.789 23.875 23.922 24.002 24.083 24.464 24.910 25.099 25.305	23.743 23.745 23.787 23.790 23.826 23.864 24.200 24.600 24.745 24.905	414.6 414.7 411.0 411.0 407.9 404.6 372.8 334.8 321.4 306.2	.000 .415 .828 1.239 1.648 2.055 2.451 2.802 3.131 3.446	90.0 89.9 90.0 89.9 89.8 89.8 89.8 89.9	1518.5 1518.6 1518.5 1518.8 1518.6 1514.6 1508.6 1510.6 1506.9	2.1 8.3 18.6 33.0 51.4 73.9 100.1 129.7 162.4	-1.2 28.9 24.9 2.2 48.6 595.5 130.6 152.1 148.1
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3	13.835 14.020 14.014 13.640 13.302 12.709 11.973 11.615 11.008	13.820 14.004 13.997 13.622 13.283 12.689 11.952 11.594 10.986 10.438	33.492 33.641 33.753 33.791 33.842 33.783 33.766 33.752 33.721 33.718	25.060 25.137 25.225 25.331 25.440 25.512 25.640 25.697 25.782 25.877	25.503 25.624 25.756 25.908 26.061 26.180 26.355 26.456 26.589 26.731	25.057 25.133 25.221 25.328 25.436 25.508 25.637 25.637 25.778 25.873	291.9 284.9 276.9 256.8 250.0 237.9 232.7 224.6 215.7	3.747 4.037 4.318 4.588 4.850 5.103 5.349 5.586 5.812 6.030	90.1 90.3 90.7 90.6 90.7 90.8 90.9 90.9	1503.4 1504.3 1504.6 1503.6 1502.7 1500.8 1498.4 1497.3 1495.3	198.3 237.0 278.6 322.9 369.9 419.4 471.4 525.8 582.5 641.4	171.3 84.7 121.0 121.8 115.3 52.3 51.8 274.6 144.2 88.4
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.0 229.0 238.9 248.8 268.7 278.6 288.6	9.937 9.558 9.332 9.059 8.757 8.425 8.287 8.118 8.004 7.839	9.914 9.535 9.308 9.034 8.732 8.399 8.261 8.091 7.976 7.811	33.748 33.789 33.839 33.884 33.908 33.943 33.977 33.990 33.998 34.005	25.989 26.084 26.160 26.239 26.306 26.385 26.432 26.467 26.490 26.521	26.891 27.032 27.154 27.279 27.393 27.518 27.612 27.694 27.763 27.839	25.986 26.080 26.156 26.235 26.302 26.381 26.428 26.463 26.486 26.517	205.0 196.1 189.0 181.6 175.3 167.9 163.5 160.2 158.2	6.240 6.442 6.634 6.818 6.996 7.168 7.333 7.495 7.655 7.811	90.9 90.9 90.9 90.9 90.8 90.8 90.8	1491.8 1490.6 1490.0 1489.2 1488.3 1487.2 1486.9 1486.5 1486.2 1485.7	702.4 765.4 830.4 897.3 965.9 1036.3 1108.3 1182.0 1257.2 1334.0	69.9 177.6 144.2 69.5 32.5 89.8 28.9 52.0 34.7 11.0
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.2 348.2 358.1 368.0 378.0 387.9	7.693 7.595 7.434 7.253 7.134 7.061 6.897 6.787 6.574	7.664 7.565 7.403 7.222 7.102 7.028 6.864 6.753 6.540 6.377	34.009 34.021 34.025 34.028 34.030 34.032 34.036 34.040 34.047 34.056	26.545 26.568 26.595 26.622 26.641 26.653 26.679 26.730 26.730	27.910 27.979 28.052 28.127 28.192 28.249 28.322 28.386 28.468 28.543	26.541 26.564 26.590 26.618 26.636 26.648 26.674 26.692 26.726 26.754	153.2 151.0 148.6 146.0 144.3 143.4 140.9 139.3 136.0 133.4	7.966 8.118 8.267 8.415 8.560 8.704 8.845 8.986 9.123 9.257	90.8 90.7 90.7 90.7 90.6 90.6 90.6 90.6	1485.3 1485.1 1484.7 1484.1 1483.8 1483.7 1483.2 1483.0 1482.3 1481.8	1412.4 1492.3 1573.6 1656.4 1740.7 1826.4 1913.5 2002.1 2091.9 2183.2	31.2 37.6 17.7 27.6 10.9 65.0 2.7 52.1 27.2 13.4
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0	397.8 407.7 417.6 427.6 437.5 447.4 457.3 467.3 467.2 487.1	6.381 6.081 6.077 5.955 5.841 5.696 5.652 5.462 5.384	6.345 6.045 6.041 5.918 5.803 5.658 5.613 5.521 5.423 5.344	34.055 34.063 34.060 34.068 34.078 34.088 34.101 34.120 34.124 34.136	26.762 26.806 26.826 26.826 26.849 26.874 26.890 26.916 26.932 26.950	28.592 28.685 28.730 28.798 28.867 28.940 29.002 29.075 29.137 29.202	26.757 26.802 26.801 26.822 26.844 26.870 26.885 26.912 26.927 26.945	133.2 128.9 129.1 127.1 125.0 122.6 121.2 118.7 117.3 115.6	9.391 9.522 9.651 9.779 9.905 10.029 10.151 10.272 10.390 10.506	90.5 90.6 90.5 90.5 90.4 90.4 90.4 90.4	1481.9 1480.8 1481.0 1480.7 1480.0 1480.0 1479.8 1479.6 1479.4	2275.7 2369.6 2464.7 2561.1 2658.8 2757.7 2857.8 2959.1 3061.6 3165.2	13.7 -1.0 .2 22.4 23.9 3.6 16.2 37.9 19.4 23.2
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 506.9 516.9 526.8 536.7 546.6 556.5 566.4 576.3 586.3	5.352 5.330 5.274 5.236 5.216 5.151 5.095 5.047 5.030 5.021	5.311 5.288 5.232 5.193 5.172 5.107 5.050 5.002 4.984 4.973	34.143 34.146 34.162 34.169 34.183 34.194 34.207 34.222 34.229 34.242	26.959 26.965 26.984 26.994 27.008 27.024 27.041 27.058 27.066 27.077	29.257 29.309 29.374 29.431 29.490 29.553 29.616 29.680 29.733 29.791	26.955 26.960 26.979 26.989 27.002 27.018 27.036 27.053 27.060 27.072	114.8 114.4 112.7 111.7 110.6 109.1 107.5 105.9 105.3 104.4	10.622 10.736 10.849 10.962 11.073 11.182 11.290 11.397 11.503 11.608	90.4 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1479.5 1479.6 1479.5 1479.5 1479.6 1479.5 1479.5 1479.5	3270.0 3375.9 3482.9 3591.1 3700.3 3810.7 3922.1 4034.6 4148.1 4262.6	14.7 14.4 14.1 20.3 17.7 21.5 14.1 16.5 6.5 7.1
600.0 610.0 620.0 630.0 640.0 650.0 660.0 670.0 680.0	596.2 606.1 616.0 625.9 635.8 645.7 655.6 675.5 685.4	4.984 4.958 4.947 4.912 4.896 4.872 4.846 4.753 4.716 4.690	4.936 4.909 4.897 4.862 4.845 4.820 4.794 4.700 4.662 4.636	34.244 34.247 34.261 34.273 34.283 34.297 34.301 34.305 34.312 34.321	27.084 27.089 27.102 27.115 27.125 27.139 27.144 27.159 27.168 27.178	29.844 29.895 29.953 30.013 30.069 30.128 30.180 30.242 30.297 30.354	27.078 27.083 27.096 27.109 27.119 27.133 27.139 27.153 27.162 27.172	103.8 103.4 102.3 101.1 100.3 99.1 98.6 97.2 96.4 95.5	11.712 11.816 11.918 12.020 12.121 12.220 12.319 12.417 12.514 12.610	90.5 90.4 90.5 90.6 90.5 90.5 90.5 90.5	1479.7 1479.8 1479.9 1480.0 1480.1 1480.2 1480.2 1480.0 1480.0	4378.2 4494.8 4612.5 4731.1 4850.7 4971.3 5092.9 5215.5 5339.0 5463.5	8.0 4.2 11.2 13.3 6.0 11.5 18.0 13.0
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5 784.4	4.665 4.620 4.587 4.559 4.475 4.475 4.462 4.453 4.406 4.391	4.610 4.564 4.531 4.502 4.462 4.417 4.403 4.393 4.346 4.330	34.327 34.337 34.344 34.349 34.355 34.360 34.365 34.365 34.373 34.381	27.186 27.198 27.208 27.215 27.225 27.223 27.233 27.239 27.246 27.258 27.261	30.408 30.466 30.522 30.576 30.631 30.686 30.737 30.790 30.849 30.899	27.180 27.192 27.202 27.209 27.218 27.227 27.232 27.239 27.251 27.255	94.8 93.7 92.9 92.2 91.4 90.6 99.6 88.5 88.5	12.705 12.799 12.893 12.985 13.077 13.168 13.258 13.348 13.437 13.526	90.5 90.5 90.6 90.5 90.5 90.6 90.6	1480.2 1480.2 1480.3 1480.3 1480.3 1480.4 1480.5 1480.5 1480.5	5588.9 5715.2 5842.4 5970.6 6099.7 6229.7 6360.5 6492.3 6624.9 6758.4	9.8 9.2 16.5 13.3 3.6 8.9 1.3 5.1 10.7
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 890.0	794.3 804.2 814.1 824.0 833.9 8453.7 863.6 873.5 883.4	4.367 4.333 4.292 4.282 4.253 4.226 4.201 4.155 4.129 4.094	4.305 4.271 4.229 4.219 4.188 4.161 4.135 4.089 4.062 4.027	34.387 34.393 34.401 34.403 34.403 34.413 34.419 34.419 34.428 34.431 34.436	27.267 27.275 27.285 27.288 27.295 27.302 27.310 27.322 27.327 27.335	30.950 31.004 31.062 31.111 31.164 31.217 31.271 31.329 31.381 31.434	27.260 27.268 27.279 27.282 27.289 27.295 27.303 27.315 27.321 27.328	87.8 87.1 86.1 85.9 85.3 84.0 82.9 82.4 81.8	13.613 13.701 13.788 13.873 13.959 14.044 14.128 14.212 14.295 14.377	90.5 90.6 90.5 90.5 90.5 90.6 90.6 90.5	1480.7 1480.7 1480.7 1480.8 1480.9 1481.0 1481.0 1481.0	6892.8 7028.0 7164.1 7301.0 7438.8 7577.4 7716.8 7857.1 7998.1 8140.0	2.2 13.3 6.6 2.2 8.1 8.1 3.7 13.9 7.8 11.9
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.6 972.5 982.3	4.056 4.037 4.006 3.980 3.961 3.931 3.936 3.884 3.851 3.835	3.988 3.969 3.937 3.910 3.890 3.8860 3.834 3.811 3.778 3.761	34.442 34.444 34.454 34.456 34.461 34.464 34.468 34.472 34.472	27.343 27.347 27.355 27.361 27.365 27.372 27.377 27.382 27.389 27.393	31.490 31.539 31.593 31.645 31.696 31.749 31.800 31.851 31.905 31.954	27.336 27.340 27.347 27.354 27.358 27.369 27.375 27.382 27.382	81.0 80.7 80.0 79.5 79.1 78.5 78.0 77.6 77.0	14.458 14.539 14.619 14.699 14.778 14.857 14.936 15.013 15.091 15.168	90.5 90.6 90.5 90.6 90.6 90.6 90.6 90.6	1481.1 1481.2 1481.2 1481.3 1481.4 1481.5 1481.5 1481.6 1481.7	8282.7 8426.2 8570.4 8715.5 8861.3 9007.9 9155.3 9303.5 9452.4 9602.0	8.1 6.9 5.5 9.3 11.9 15.1 4.0 8.1 7.5 3.1

Station	82	Latitude	31. 31.	11'N	Longit	ude 126°	23.28'W	01	Sep 1989	GMT 03	3:19	Bottom	
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0 1180.0	992.2 1012.0 1031.8 1051.6 1071.4 1091.1 1110.9 1130.7 1150.4 1170.2	3.806 3.764 3.712 3.683 3.642 3.599 3.565 3.515 3.480 3.444	3.732 3.688 3.635 3.563 3.518 3.482 3.431 3.395 3.358	34.479 34.485 34.491 34.500 34.506 34.510 34.514 34.519 34.521	27.399 27.408 27.418 27.424 27.432 27.441 27.448 27.456 27.464 27.470	32.007 32.108 32.211 32.309 32.409 32.511 32.610 32.710 32.810 32.907	27.392 27.400 27.410 27.416 27.424 27.434 27.440 27.448 27.456 27.461	76.1 75.3 74.4 74.0 73.3 72.5 71.9 71.2 70.5	15.244 15.396 15.545 15.694 15.841 15.987 16.131 16.274 16.416 16.557	90.7 90.5 90.6 90.5 90.5 90.6 90.6 90.6	1481.7 1481.9 1482.0 1482.2 1482.5 1482.5 1482.7 1482.9 1483.0 1483.2	9752.4 10055.5 10361.5 10670.4 10982.2 11296.8 11614.3 11934.6 12257.7 12583.6	1.1 7.0 4.1 5.0 6.4 6.2 4.7
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0 1380.0	1190.0 1209.7 1229.5 1249.2 1269.0 1288.8 1308.5 1328.3 1348.0 1367.7	3.402 3.359 3.319 3.271 3.173 3.138 3.101 3.066 3.027	3.314 3.271 3.230 3.180 3.137 3.080 3.043 3.005 2.969 2.928	34.526 34.529 34.534 34.539 34.542 34.547 34.549 34.552 34.553 34.557	27.478 27.484 27.492 27.501 27.507 27.516 27.521 27.527 27.531 27.538	33.008 33.106 33.207 33.308 33.406 33.508 33.605 33.703 33.800 33.898	27.469 27.476 27.483 27.492 27.507 27.512 27.518 27.522 27.529	69.4 68.8 68.1 67.3 66.7 65.8 65.4 64.9 64.5	16.696 16.834 16.971 17.107 17.240 17.373 17.504 17.634 17.764 17.892	90.6 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1483.4 1483.5 1483.7 1483.8 1484.0 1484.1 1484.3 1484.5 1484.6 1484.8	12912.2 13243.5 13577.5 13914.1 14253.4 14595.2 14939.7 15286.6 15636.2 15988.2	1.8 4.1 4.4 3.0 2.4 2.1 .1 3.0 3.3
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.5 1407.2 1427.0 1446.7 1466.4 1505.9 1525.6 1545.4 1565.1	2.994 2.949 2.911 2.888 2.857 2.818 2.802 2.753 2.709 2.667	2.848 2.848 2.809 2.785 2.752 2.712 2.694 2.645 2.599 2.556	34.559 34.561 34.563 34.566 34.568 34.571 34.572 34.576 34.581 34.582	27.543 27.549 27.554 27.558 27.563 27.569 27.579 27.579 27.586 27.591	33.995 34.094 34.191 34.287 34.383 34.481 34.575 34.675 34.775 34.873	27.534 27.539 27.545 27.553 27.559 27.559 27.562 27.569 27.576 27.581	63.5 62.9 62.4 62.1 61.7 61.1 61.0 60.2 59.5	18.020 18.146 18.272 18.396 18.520 18.643 18.765 18.886 19.006	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1485.0 1485.1 1485.3 1485.6 1485.8 1486.9 1486.2 1486.3 1486.5 1486.6	16342.7 16699.7 17059.1 17421.0 17785.3 18151.9 18521.0 18892.4 19266.2 19642.3	6.3 1.9 2.2 9.0 2.9 1.9 5.8
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.5 1624.3 1644.0 1663.7 1683.4 1703.1 1722.8 1742.5 1762.2	2.635 2.601 2.564 2.535 2.509 2.478 2.451 2.423 2.411 2.374	2.523 2.487 2.450 2.420 2.392 2.360 2.331 2.302 2.288 2.250	34.583 34.587 34.590 34.593 34.595 34.595 34.597 34.597 34.602	27.595 27.601 27.607 27.611 27.618 27.620 27.624 27.626 27.633	34.968 35.066 35.164 35.261 35.355 35.450 35.545 35.733 35.832	27.585 27.591 27.597 27.601 27.607 27.610 27.614 27.616 27.622	58.6 58.1 57.5 57.1 56.8 56.5 55.7 55.7	19.242 19.358 19.474 19.589 19.703 19.816 19.929 20.041 20.152 20.263	90.5 90.5 90.5 90.5 90.4 90.5 90.4 90.5	1486.8 1487.0 1487.2 1487.4 1487.6 1487.8 1488.0 1488.2 1488.5 1488.7	20020.6 20401.3 20784.2 21169.3 21556.6 21946.1 22337.9 22731.8 23127.9 23526.1	1.7 4.3 3.8 6 3 2.4 1.5
1800.0 1820.0 1840.0 1860.0 1980.0 1920.0 1940.0 1960.0 1980.0	1781.9 1801.7 1821.3 1841.1 1860.7 1880.4 1900.1 1919.8 1939.5 1959.2	2.348 2.322 2.299 2.273 2.253 2.225 2.200 2.175 2.157 2.137	2.223 2.195 2.172 2.144 2.123 2.093 2.067 2.041 2.021 2.000	34.604 34.606 34.609 34.611 34.615 34.615 34.617 34.619 34.621 34.625	27.636 27.640 27.645 27.648 27.656 27.656 27.660 27.663 27.666 27.671	35.927 36.023 36.118 36.214 36.307 36.404 36.499 36.594 36.594 36.784	27.626 27.630 27.634 27.638 27.640 27.645 27.649 27.653 27.656 27.660	54.7 54.3 54.0 53.6 53.4 52.9 52.5 52.2 51.9 51.5	20.373 20.482 20.590 20.698 20.805 20.912 21.017 21.122 21.226 21.329	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1488.9 1489.2 1489.4 1489.6 1489.9 1490.1 1490.3 1490.8 1491.1	23926.4 24328.9 24733.5 25140.2 25959.7 26372.6 26787.5 27204.4 27623.3	4.5 2 2.4 .7 3.6 .1 -1.0
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2300.0 2400.0 2450.0	1978.9 2028.1 2077.3 2126.5 2175.6 2224.8 2273.9 2323.1 2372.2 2421.3	2.124 2.086 2.055 2.015 1.971 1.947 1.920 1.880 1.863 1.843	1.986 1.943 1.908 1.865 1.817 1.789 1.759 1.715 1.694 1.670	34.626 34.631 34.633 34.641 34.643 34.645 34.645 34.651 34.651	27.673 27.680 27.685 27.691 27.698 27.702 27.706 27.713 27.715 27.718	36.877 37.111 37.343 37.576 37.810 38.039 38.269 38.502 38.729 38.957	27.662 27.669 27.674 27.680 27.686 27.690 27.694 27.700 27.702 27.705	51.3 50.7 50.3 49.8 49.1 48.9 48.5 47.8 47.8	21.432 21.687 21.939 22.189 22.436 22.682 22.925 23.166 23.406 23.644	90.5 90.4 90.4 90.4 90.5 90.5 90.4	1491.3 1492.0 1492.7 1493.4 1494.0 1494.8 1495.5 1496.2 1497.0 1497.7	28044.2 29105.0 30178.1 31263.3 31263.3 3469.5 34590.2 35722.6 36866.6 380622.0	2.0 9 2.0 .6 -7 3 9
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2900.0	2470.4 2519.5 2568.6 2617.7 2666.7 2715.8 2764.8 2813.8 2862.9 2911.9	1.810 1.790 1.769 1.749 1.725 1.709 1.687 1.668 1.650	1.633 1.609 1.584 1.559 1.531 1.511 1.485 1.461 1.439	34.655 34.659 34.660 34.662 34.664 34.666 34.666 34.669	27.724 27.726 27.730 27.733 27.737 27.740 27.743 27.746 27.749 27.751	39.187 39.415 39.642 39.869 40.097 40.323 40.550 41.002 41.226	27.710 27.713 27.716 27.719 27.722 27.725 27.728 27.730 27.733 27.735	47.2 47.0 46.5 46.2 46.1 45.6 45.4	23.881 24.116 24.350 24.583 24.815 25.045 25.275 25.503 25.731 25.957	90.4 90.4 90.4 90.5 90.4 90.5 90.4	1498.4 1499.2 1499.9 1500.7 1501.4 1502.2 1503.0 1504.5 1505.3	39188.8 40366.9 41556.3 42756.8 43968.5 45191.2 46425.0 47669.7 48925.2 50191.6	2.2 -1.0 6 1.5
3000.0 3050.0 3100.0 3150.0 3200.0 3250.0 3300.0 3400.0 3450.0	2960.8 3009.8 3058.8 3107.7 3156.7 3205.6 3254.6 3303.5 3352.4 3401.3	1.615 1.601 1.589 1.583 1.574 1.568 1.557 1.550 1.540	1.396 1.377 1.360 1.350 1.336 1.325 1.310 1.297 1.283 1.269	34.671 34.673 34.674 34.675 34.676 34.677 34.678 34.679 34.681 34.682	27.754 27.757 27.759 27.760 27.762 27.763 27.765 27.767 27.770 27.770	41.452 41.677 41.901 42.123 42.345 42.567 42.790 43.012 43.234 43.456	27.737 27.740 27.742 27.743 27.744 27.746 27.748 27.749 27.751 27.753	45.1 44.8 44.7 44.7 44.7 44.6 44.6 44.4	26.183 26.407 26.631 26.855 27.079 27.302 27.525 27.748 27.970 28.192	90.4 90.4 90.4 90.4 90.4 90.4 90.4	1506.1 1506.8 1507.6 1508.5 1509.3 1510.1 1510.9 1511.7 1512.6 1513.4	51468.8 52756.7 54055.3 55364.6 56684.5 58015.1 59356.3 60708.1 62070.5 63443.5	7 2.5 .0 .6 .4 7 4
3500.0 3550.0 3600.0 3700.0 3750.0 3800.0 3850.0 3900.0	3450.1 3499.0 3547.9 3596.7 3645.6 3694.4 3743.2 3792.0 3840.8 3889.6	1.526 1.519 1.513 1.508 1.508 1.505 1.504 1.503 1.504	1.259 1.247 1.236 1.226 1.220 1.212 1.206 1.200 1.196 1.190	34.683 34.684 34.685 34.686 34.687 34.688 34.689 34.689 34.689	27.773 27.774 27.776 27.778 27.779 27.779 27.781 27.782 27.782 27.783	43.677 43.897 44.118 44.338 44.557 44.776 44.994 45.213 45.430 45.648	27.754 27.755 27.757 27.757 27.758 27.758 27.759 27.760 27.760 27.761	44.4 44.3 44.3 44.4 44.5 44.5 44.7	28.414 28.636 28.858 29.079 29.301 29.523 29.745 29.968 30.191 30.414	90.3 90.3 90.4 90.3 90.4 90.3 90.3	1514.2 1515.0 1515.9 1516.7 1517.6 1518.4 1519.3 1520.1 1521.0 1521.8	64827.0 66221.0 67625.5 69040.6 70466.1 71902.2 73348.8 74806.0 76273.6 77751.9	1.8 1.2 -1.4 4 3 3 3
4000.0 4050.0 4100.0 4150.0 4200.0 4250.0 4300.0 4350.0	3938.4 3987.1 4035.9 4084.6 4133.3 4182.1 4230.8 4279.5 4318.4	1.506 1.508 1.509 1.513 1.516 1.521 1.526 1.531	1.186 1.183 1.179 1.177 1.175 1.173 1.173 1.172 1.171	34.690 34.691 34.691 34.691 34.692 34.692 34.692 34.692	27.784 27.785 27.785 27.785 27.786 27.786 27.786 27.786 27.786	45.865 46.081 46.298 46.513 46.729 46.945 47.159 47.373 47.544	27.761 27.761 27.761 27.761 27.762 27.762 27.760 27.760 27.760	44.9 45.1 45.2 45.4 45.5 45.6 45.1 46.3	30.638 30.863 31.088 31.315 31.542 31.769 31.998 32.228 32.413	90.3 90.3 90.3 90.3 90.3 90.2 90.2	1522.7 1523.6 1524.4 1525.3 1526.2 1527.1 1528.0 1528.8 1529.6	79240.8 80740.2 82250.3 83771.1 85302.6 86844.9 88397.9 89961.8 91220.8	-5 .0 2 .4 -1.3 -1.0

Station	83	Latitude	31° 17.	85'N	Longit	ude 126°	30.87'W	01	Sep 1989	GMT 0	7:06	Bottom	4275 m
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0	10.0 20.0 29.9 39.9 49.9 59.8 79.7 89.7	19.416 19.415 19.398 19.376 19.617 19.590 16.678 15.596 15.128 14.600	19.416 19.413 19.394 19.370 19.610 19.581 16.668 15.585 15.116 14.587	33.472 33.473 33.498 33.815 33.923 33.612 33.522 33.534 33.485	23.749 23.749 23.755 23.781 23.961 24.050 24.528 24.705 24.818 24.893	23.749 23.793 23.842 23.911 24.134 24.267 24.791 25.013 25.170 25.291	23.749 23.749 23.754 23.779 23.959 24.048 24.526 24.703 24.815 24.891	414.0 414.3 414.1 412.1 395.3 387.1 341.7 325.0 314.5 307.6	.000 .414 .828 1.242 1.643 2.033 2.397 2.729 3.048 3.358	90.0 90.1 90.0 90.0 90.0 89.9 89.9 90.0 90.0	1518.7 1518.9 1519.0 1519.1 1520.3 1520.5 1511.9 1508.6 1507.3 1505.7	2.1 8.3 18.6 33.0 51.3 73.4 99.0 127.7 159.7	.0 .7 23.9 133.1 134.4 126.8 216.5 85.5 85.4 148.6
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.3 179.3 189.2	14.381 14.419 13.769 12.819 12.168 11.903 11.389 10.622 10.322 9.877	14.367 14.403 13.752 12.802 12.150 11.884 11.369 10.602 10.301 9.856	33.588 33.654 33.610 33.481 33.472 33.512 33.511 33.508 33.564 33.659	25.020 25.063 25.165 25.256 25.375 25.455 25.550 25.685 25.780 25.929	25.462 25.549 25.696 25.835 26.000 26.126 26.267 26.590 26.786	25.016 25.060 25.161 25.253 25.372 25.452 25.546 25.777 25.926	295.8 292.0 282.5 273.8 262.6 255.1 243.5 224.5 210.5	3.659 3.953 4.239 4.517 4.786 5.047 5.296 5.764 5.981	90.1 90.4 90.5 90.6 90.7 90.7 90.8 90.8	1505.3 1505.7 1503.6 1500.5 1498.4 1497.7 1496.1 1493.5 1492.6 1491.3	194.6 232.5 273.3 316.9 363.2 412.1 463.5 517.4 573.6 632.0	104.6 97.6 32.5 49.0 53.0 139.3 53.8 121.5 69.7 79.2
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.1 209.1 219.0 229.0 238.9 248.9 258.8 268.7 278.6 288.6	9.567 9.251 9.023 8.821 8.761 8.535 8.379 8.258 8.036 7.815	9.545 9.228 9.000 8.796 8.736 8.509 8.352 8.230 8.008 7.787	33.698 33.774 33.809 33.870 33.922 33.960 33.967 33.976 33.983 33.986	26.011 26.122 26.186 26.265 26.316 26.410 26.436 26.475 26.509	26.914 27.071 27.182 27.307 27.403 27.514 27.590 27.661 27.747 27.828	26.008 26.118 26.183 26.261 26.376 26.406 26.406 26.470 26.505	202.8 192.3 186.3 179.0 174.4 168.3 165.6 163.3 159.7	6.187 6.385 6.572 6.754 6.930 7.101 7.268 7.432 7.594 7.752	90.9 90.8 90.8 90.8 90.8 90.8 90.8 90.8	1490.4 1489.5 1488.8 1488.3 1487.7 1487.3 1487.0 1486.3 1485.6	692.5 755.0 819.4 885.7 953.7 1023.4 1094.8 1167.8 1242.4 1318.6	54.9 175.5 85.5 53.0 72.9 76.4 40.9 31.6 18.3 21.8
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.2 348.2 358.1 368.0 378.0 387.9	7.695 7.524 7.372 7.193 7.109 6.952 6.838 6.673 6.576 6.441	7.666 7.494 7.341 7.162 7.077 6.920 6.805 6.639 6.542 6.406	33.988 33.990 33.992 33.993 33.993 33.997 33.999 34.001 34.006 34.010	26.528 26.554 26.577 26.603 26.615 26.640 26.657 26.681 26.698 26.719	27.893 27.966 28.036 28.108 28.166 28.238 28.301 28.372 28.435 28.503	26.524 26.550 26.573 26.599 26.611 26.636 26.652 26.676 26.693 26.714	154.7 152.3 150.2 147.8 146.8 144.4 142.9 140.7 139.1	7.908 8.061 8.212 8.361 8.509 8.654 8.798 8.798 9.080 9.218	90.8 90.8 90.7 90.6 90.6 90.6 90.6 90.6	1485.3 1484.8 1484.4 1483.9 1483.7 1483.2 1483.0 1482.5 1482.3 1481.9	1396.4 1475.7 1556.5 1638.8 1722.6 1807.8 1894.4 1982.5 2071.9 2162.7	20.6 31.7 51.6 14.4 45.4 13.2 38.6 13.4 33.6
400.0 410.0 420.0 430.0 440.0 450.0 460.0 470.0 480.0 490.0	397.8 407.7 417.7 427.6 437.5 447.4 457.4 467.3 477.2 487.1	6.258 6.099 6.015 5.920 5.797 5.741 5.655 5.548 5.356	6.222 6.063 5.979 5.883 5.759 5.703 5.617 5.509 5.391 5.315	34.018 34.026 34.026 34.032 34.041 34.056 34.068 34.066 34.069 34.064	26.749 26.775 26.786 26.803 26.825 26.843 26.864 26.875 26.892 26.897	28.580 28.654 28.711 28.775 28.844 28.909 28.976 29.034 29.098 29.149	26.744 26.770 26.781 26.798 26.820 26.839 26.859 26.871 26.887 26.892	134.3 131.8 130.9 129.3 127.2 125.5 123.6 122.6 121.0 120.6	9.354 9.487 9.618 9.748 9.877 10.003 10.128 10.251 10.373 10.494	90.5 90.4 90.5 90.4 90.4 90.4 90.4 90.5	1481.3 1480.9 1480.5 1480.2 1480.1 1480.0 1479.7 1479.4	2254.9 2348.4 2443.2 2539.3 2636.7 2735.3 2835.2 2936.3 3038.6 3142.1	26.5 32.7 8.4 12.4 24.1 8.3 20.9 23.8 10.6 10.9
500.0 510.0 520.0 530.0 540.0 550.0 560.0 570.0 580.0 590.0	497.0 507.0 516.9 526.8 536.6 556.5 566.5 576.4 586.3	5.272 5.239 5.143 5.133 5.074 4.978 4.933 4.934 4.984 5.008	5.231 5.198 5.101 5.090 5.030 4.935 4.889 4.889 4.938	34.077 34.098 34.098 34.110 34.123 34.123 34.134 34.146 34.169 34.189	26.917 26.938 26.949 26.960 26.974 26.987 27.002 27.011 27.024 27.037	29.216 29.283 29.341 29.398 29.458 29.519 29.580 29.635 29.635 29.751	26.912 26.933 26.944 26.955 26.969 26.982 26.997 27.006 27.019 27.032	118.7 116.8 115.8 114.8 113.6 112.3 111.0 110.3 109.2 108.1	10.613 10.731 10.847 10.963 11.077 11.190 11.302 11.412 11.522 11.631	90.4 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1479.1 1479.1 1478.9 1479.0 1479.0 1478.7 1478.7 1478.9 1479.3	3246.8 3352.6 3459.6 3567.8 3677.1 3787.5 3899.6 4011.6 4125.3 4240.1	14.4 21.4 4.7 9.1 20.6 16.4 17.9 12.4 -3.1 18.5
600.0 610.0 620.0 630.0 640.0 650.0 670.0 680.0 690.0	596.2 606.1 616.0 625.9 635.8 645.8 655.7 665.6 675.5	4.939 4.901 4.873 4.789 4.756 4.702 4.635 4.555 4.499	4.892 4.852 4.824 4.739 4.706 4.651 4.582 4.603 4.503 4.446	34.195 34.208 34.220 34.232 34.242 34.253 34.258 34.278 34.277 34.281	27.050 27.065 27.077 27.096 27.108 27.122 27.134 27.148 27.158 27.167	29.810 29.871 29.930 29.996 30.054 30.115 30.174 30.233 30.290 30.346	27.044 27.059 27.071 27.090 27.102 27.117 27.129 27.142 27.152 27.161	105-6	11.738 11.844 11.950 12.053 12.155 12.256 12.356 12.455 12.552 12.649	90.5 90.5 90.5 90.6 90.6 90.6 90.6	1479.5 1479.6 1479.4 1479.4 1479.3 1479.6 1479.3	4355.9 4472.8 4590.7 4709.7 4829.6 4950.6 5072.6 5195.5 5319.4 5444.2	10.6 17.7 15.0 25.0 4.5 14.4 8.3 11.8 12.7
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.7 764.6 774.5 784.4	4.410 4.396 4.394 4.411 4.353 4.273 4.268 4.219 4.190 4.175	4.357 4.342 4.339 4.355 4.296 4.216 4.211 4.161 4.131 4.116	34.278 34.288 34.300 34.313 34.316 34.320 34.336 34.341 34.351 34.355	27.175 27.184 27.193 27.202 27.211 27.223 27.236 27.245 27.256 27.261	30.401 30.456 30.511 30.566 30.621 30.680 30.739 30.795 30.852 30.903	27.169 27.178 27.188 27.196 27.205 27.217 27.230 27.239 27.250 27.254	93.9 93.2	12.745 12.840 12.934 13.027 13.120 13.212 13.302 13.392 13.481 13.569	90.5 90.5 90.5 90.6 90.6 90.6 90.6	1479.0 1479.2 1479.3 1479.6 1479.5 1479.4 1479.5 1479.5 1479.5	5570.0 5696.8 5824.4 5953.0 6082.5 6212.9 6344.2 6609.5 6743.4	11.2 11.2 7.7 9.5 10.0 13.6 8.0 6.8 6.8
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.3 804.2 814.1 824.0 833.9 843.8 853.7 863.6 873.5 883.4	4.168 4.222 4.180 4.111 4.081 4.067 4.076 4.019 4.028 4.020	4.108 4.161 4.118 4.048 4.018 4.003 4.011 3.954 3.962 3.953	34.364 34.384 34.386 34.387 34.392 34.402 34.405 34.415 34.423	27.269 27.279 27.286 27.294 27.301 27.304 27.309 27.318 27.325 27.332	30.957 31.012 31.064 31.119 31.173 31.222 31.273 31.328 31.381 31.434	27.263 27.273 27.279 27.287 27.294 27.298 27.303 27.311 27.318 27.325	84.2 83.8 83.0 82.4	13.656 13.743 13.829 13.915 13.999 14.084 14.168 14.251 14.334 14.416	90.5 90.6 90.6 90.6 90.7 90.6 90.6 90.6	1479.8 1480.2 1480.2 1480.1 1480.1 1480.4 1480.4 1480.6 1480.7	6878.2 7013.8 7150.3 7287.7 7425.8 7564.8 7704.7 7845.3 7986.8 8129.1	8.6 10.7 11.8 13.6 5.4 3.1 6.0 4.2 12.7 8.1
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.3 903.2 913.1 923.0 932.9 942.8 952.7 962.6 972.5 982.4	3.965 3.962 3.937 3.912 3.885 3.858 3.832 3.816 3.799 3.772	3.898 3.894 3.868 3.815 3.787 3.761 3.745 3.726 3.699	34.424 34.431 34.448 34.445 34.445 34.453 34.456 34.459 34.459	27.339 27.344 27.353 27.357 27.364 27.375 27.380 27.384 27.389	31.487 31.538 31.593 31.644 31.697 31.749 31.801 31.851 31.901 31.952	27.332 27.337 27.346 27.350 27.357 27.363 27.368 27.372 27.372 27.372	80.0 79.6 79.0 78.5 78.0 77.7	14.497 14.578 14.658 14.738 14.818 14.896 14.975 15.053 15.130 15.207	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1480.7 1480.8 1480.9 1481.0 1481.1 1481.1 1481.2 1481.3 1481.4	8272.1 8416.0 8560.7 8706.1 8852.3 8999.3 9147.1 9295.6 9444.9	4.0 11.6 2.5 3.7 6.0 3.4 8.1 8.4 4.3

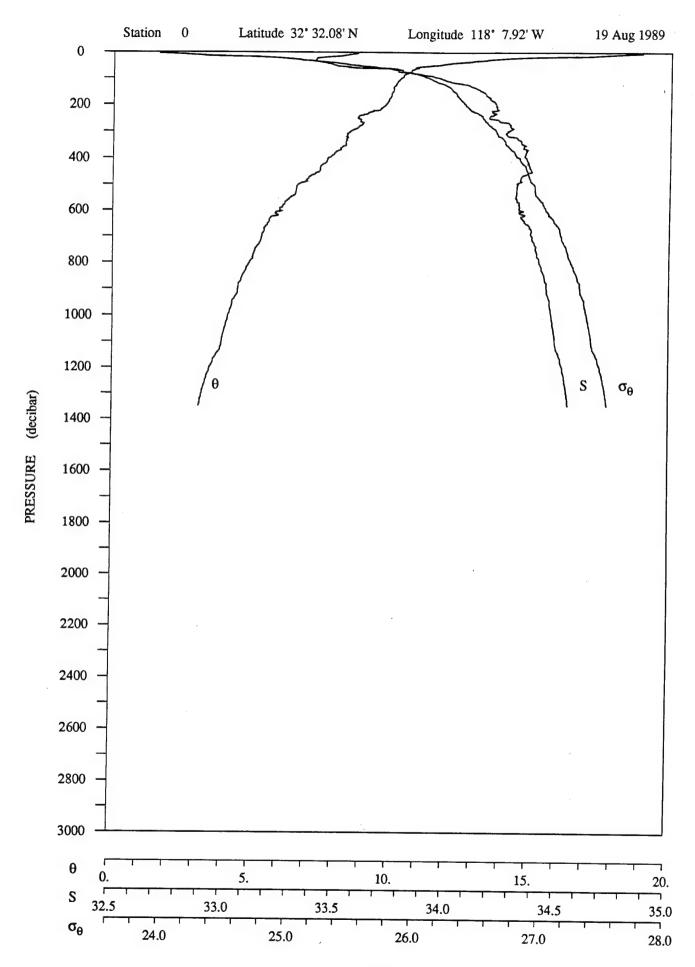
Station	83	Latitude	31. 17.8	15'N	Longit	ide 126°	30.87'W	01	Sep 1989	GMT 0	7:06	Bottom	
Pres. db	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	m3/s2	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1080.0 1120.0 1140.0 1160.0 1180.0	992.3 1012.0 1031.8 1051.6 1071.4 11091.2 1110.9 1130.7 1150.5 1170.2	3.747 3.720 3.676 3.662 3.587 3.548 3.510 3.479 3.425 3.395	3.673 3.645 3.599 3.584 3.508 3.468 3.428 3.396 3.341 3.309	34.465 34.477 34.486 34.493 34.501 34.505 34.509 34.509 34.515 34.525	27.393 27.406 27.418 27.425 27.433 27.449 27.456 27.466 27.477	32.003 32.108 32.212 32.310 32.411 32.513 32.612 32.711 32.814 32.916	27.386 27.399 27.410 27.417 27.425 27.435 27.441 27.448 27.458 27.469	76.5 75.4 74.3 73.8 73.1 72.2 71.7 71.1 70.2 69.3	15.284 15.436 15.585 15.734 15.881 16.026 16.169 16.312 16.454 16.593	90.6 90.6 90.5 90.5 90.5 90.5 90.5	1481.5 1481.7 1481.8 1482.1 1482.3 1482.3 1482.5 1482.8 1483.0	9745.8 10049.6 10356.4 10666.1 10978.7 11294.1 11612.4 11933.5 12257.3 12583.9	6.9 5.2 4.9 3.2 4.5 8.1 6.2
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0 1380.0	1190.0 1209.8 1229.5 1249.3 1269.0 1288.8 1308.5 1328.3 1348.0 1367.8	3.359 3.313 3.263 3.224 3.185 3.147 3.120 3.080 3.051 3.011	3.272 3.225 3.174 3.133 3.094 3.054 3.026 2.985 2.954 2.913	34.528 34.532 34.534 34.538 34.540 34.544 34.548 34.551 34.554 34.558	27.483 27.490 27.497 27.504 27.510 27.516 27.522 27.529 27.533 27.541	33.014 33.114 33.213 33.312 33.410 33.509 33.607 33.705 33.802 33.902	27.475 27.482 27.488 27.495 27.501 27.508 27.513 27.520 27.524 27.532	68.7 68.0 67.5 66.9 66.3 65.7 64.7 64.3 63.6	16.731 16.868 17.003 17.138 17.271 17.403 17.534 17.664 17.793 17.921	90.6 90.5 90.6 90.6 90.6 90.6 90.5 90.5	1483.2 1483.3 1483.5 1483.6 1484.0 1484.2 1484.4 1484.6 1484.7	12913.2 13245.2 13579.8 13917.1 14257.0 14599.5 14944.5 1522.1 15642.2 15994.8	5.3 9.1 2.1 2.4 3.0 3.0 1.8 4.5 3.3
1400.0 1420.0 1440.0 1460.0 1500.0 1500.0 1540.0 1560.0 1580.0	1387.5 1407.3 1427.0 1446.7 1466.5 1486.2 1505.9 1525.7 1545.4 1565.1	2.971 2.933 2.891 2.854 2.805 2.781 2.750 2.723 2.695 2.671	2.871 2.832 2.790 2.751 2.701 2.676 2.643 2.614 2.586 2.561	34.561 34.563 34.567 34.568 34.573 34.575 34.578 34.580 34.583	27.546 27.551 27.559 27.563 27.571 27.575 27.580 27.584 27.589 27.592	34.000 34.097 34.196 34.293 34.394 34.489 34.586 34.682 34.778 34.873	27.537 27.542 27.549 27.554 27.562 27.566 27.571 27.575 27.579 27.582	63.1 62.6 61.9 61.5 60.7 60.4 59.9 59.6 59.2 58.9	18.048 18.174 18.298 18.422 18.544 18.665 18.785 18.904 19.023 19.142	90.6 90.5 90.4 90.5 90.5 90.5 90.4 90.4	1484.9 1485.1 1485.2 1485.4 1485.5 1486.8 1486.0 1486.2 1486.4 1486.6	16349.8 16707.4 17067.4 17429.7 17794.5 18161.6 18531.1 18902.9 19277.0 19653.5	1.6 2.8 4.8 3.4 5.4 1.4 2.4 5.2
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0 1780.0	1584.8 1604.6 1624.3 1644.0 1663.7 1683.4 1703.1 1722.9 1742.6 1762.3	2.643 2.604 2.581 2.553 2.525 2.494 2.462 2.432 2.415 2.391	2.530 2.490 2.466 2.437 2.407 2.375 2.342 2.311 2.293 2.267	34.587 34.590 34.592 34.594 34.596 34.598 34.601 34.602 34.604	27.597 27.603 27.606 27.611 27.615 27.619 27.624 27.628 27.631 27.634	34.970 35.068 35.163 35.259 35.355 35.451 35.548 35.644 35.738 35.833	27.587 27.593 27.596 27.600 27.604 27.614 27.618 27.621 27.624	58.4 57.9 57.6 57.2 56.8 56.4 55.9 55.6 55.3	19.259 19.375 19.491 19.605 19.719 19.833 19.945 20.057 20.167 20.278	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1486.9 1487.0 1487.3 1487.5 1487.7 1487.9 1488.1 1488.3 1488.6 1488.8	20032.2 20413.2 20796.4 21181.8 21569.5 21959.4 22351.5 22745.7 23142.1 23540.6	4.9 2.3 1.4 3.5 4.7 4.1 2.0 2.4
1800.0 1820.0 1840.0 1860.0 1900.0 1920.0 1940.0 1960.0 1980.0	1782.0 1801.7 1821.4 1841.1 1860.8 1880.5 1900.2 1919.9 1939.6 1959.2	2.372 2.342 2.319 2.303 2.272 2.244 2.217 2.193 2.175 2.161	2.247 2.216 2.191 2.174 2.141 2.112 2.084 2.058 2.039 2.023	34.608 34.610 34.613 34.614 34.618 34.619 34.622 34.625 34.625 34.625	27.637 27.642 27.646 27.654 27.658 27.663 27.666 27.668 27.668	35.927 36.023 36.119 36.212 36.310 36.405 36.501 36.596 36.689 36.782	27.627 27.632 27.636 27.638 27.643 27.647 27.652 27.655 27.657	54.7 54.3 53.9 53.7 53.2 52.8 52.3 52.0 51.8 51.7	20.387 20.496 20.604 20.712 20.819 20.925 21.030 21.134 21.238 21.342	90.5 90.5 90.5 90.5 90.5 90.5 90.4 90.4	1489.0 1489.3 1489.5 1489.8 1490.0 1490.2 1490.4 1490.6 1490.9 1491.2	23941.3 24344.0 24748.9 25155.9 251564.9 25976.0 26389.1 26804.2 27221.4 27640.5	2.1 1.0 2.4 1.6 4.5 2.6 1.6 2.5
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2300.0 2350.0 2400.0 2450.0	1978.9 2028.1 2077.3 2126.5 2175.7 2224.8 2274.0 2323.1 2372.3 2421.4	2.134 2.099 2.056 2.017 1.972 1.940 1.907 1.867 1.844 1.813	1.996 1.956 1.910 1.867 1.818 1.783 1.746 1.702 1.675 1.640	34.628 34.631 34.634 34.643 34.644 34.647 34.650 34.652 34.652	27.674 27.679 27.685 27.692 27.700 27.704 27.708 27.714 27.718 27.718	36.877 37.110 37.343 37.576 37.811 38.041 38.272 38.504 38.733 38.963	27.663 27.668 27.674 27.680 27.688 27.692 27.696 27.701 27.705 27.709	51.3 50.8 50.3 49.7 49.0 48.3 47.8 47.5	21.444 21.700 21.953 22.203 22.450 22.694 22.937 23.177 23.415 23.651	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1491.4 1492.1 1492.7 1493.4 1494.8 1495.5 1496.1 1496.9 1497.6	28061.7 29123.2 30197.0 31282.9 32380.7 33490.4 34611.8 35744.7 36889.2 38045.0	3.8 3.3 1.5 4 3.4 3.5 5.5 3.2
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2900.0 2900.0	2470.5 2519.6 2568.6 2617.7 2666.8 2715.8 2764.9 2813.9 2862.9 2911.9	1.794 1.775 1.750 1.727 1.706 1.686 1.639 1.625 1.609	1.617 1.594 1.564 1.513 1.488 1.454 1.453 1.415	34.656 34.658 34.660 34.662 34.664 34.665 34.667 34.668 34.670 34.672	27.725 27.729 27.733 27.736 27.740 27.742 27.747 27.749 27.751 27.754	39.190 39.417 39.646 39.874 40.101 40.328 40.556 40.781 41.007 41.232	27.712 27.715 27.719 27.722 27.725 27.728 27.732 27.734 27.736 27.739	46.9 46.7 46.4 46.1 45.6 45.2 45.1 44.9	23.886 24.120 24.353 24.584 24.814 25.043 25.270 25.496 25.721 25.945	90.4 90.4 90.4 90.4 90.7 90.4 90.4 90.6	1498.3 1499.1 1499.8 1500.6 1501.4 1502.1 1502.8 1503.6 1504.4 1505.2	39212.1 40390.5 41580.0 42780.7 43992.4 45215.1 46448.7 47693.1 48948.2 50214.1	.3 1.0 2 7 1.7 1.1 1.2 .4 2.2
3000.0 3050.0 3092.0	2960.9 3009.9 3051.0	1.602 1.589 1.577	1.383 1.365 1.349	34.673 34.674 34.675	27.756 27.758 27.760	41.455 41.679 41.868	27.740 27.742 27.744	44.7 44.6 44.5	26.169 26.393 26.580	90.4 90.4 90.4	1506.0 1506.8 1507.5	51490.7 52777.9 53867.5	-1.3 .2 .0

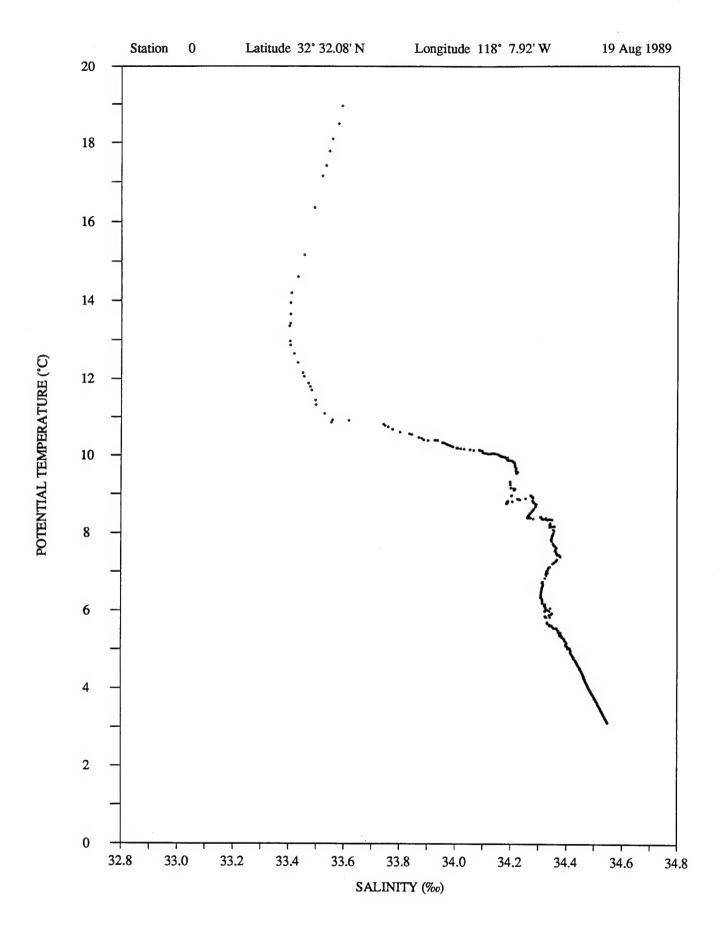
Station	84	Latitude	31° 04.	16'N	Longit	ude 126°	38.89'W	01	Sep 1989	GMT 1	0:23	Bottom	4350 m
Pres.	· Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	sv m/s	m ³ /s ²	N ² 10 ⁶ /s ²
.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0	.0 10.0 20.0 29.9 39.9 49.9 59.8 79.8 89.7	19.450 19.458 19.419 19.327 19.007 18.779 17.930 15.577 15.5286 14.932	19.450 19.456 19.415 19.322 19.000 18.770 17.920 15.566 15.274 14.919	33.486 33.485 33.480 33.467 33.472 33.486 33.491 33.406 33.490 33.587	23.751 23.749 23.755 23.770 23.854 23.924 24.137 24.620 24.749 24.901	23.751 23.792 23.842 23.900 24.028 24.141 24.399 24.928 25.101 25.298	23.751 23.749 23.754 23.768 23.853 23.921 24.135 24.135 24.746 24.898	413.8 414.3 414.1 413.1 405.4 399.1 379.0 333.1 321.1 306.9	.000 .414 .828 1.242 1.653 2.055 2.448 2.801 3.128 3.443	90.1 90.1 90.1 90.0 90.1 90.0 90.0 90.1 90.2	1518.8 1519.0 1519.1 1519.0 1518.2 1517.7 1515.5 1508.4 1507.7 1506.9	.0 2.1 8.3 18.6 33.0 51.5 74.0 100.2 129.7 162.4	.0 1.6 28.0 7.0 109.4 87.2 611.6 56.8 70.8 122.0
100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0	99.7 109.6 119.6 129.5 139.5 149.4 159.4 169.3 179.3 189.2	14.187 14.114 13.525 13.102 12.036 11.950 11.345 11.141 10.464 9.984	14.173 14.099 13.508 13.084 12.018 11.931 11.325 11.120 10.442 9.962	33.521 33.612 33.582 33.579 33.476 33.587 33.625 33.634 33.669 33.722	25.009 25.095 25.193 25.276 25.403 25.506 25.646 25.691 25.837 25.961	25.451 25.581 25.726 25.854 26.028 26.176 26.363 26.453 26.453 26.647 26.817	25.006 25.091 25.190 25.273 25.399 25.502 25.643 25.687 25.834 25.957	296.8 288.9 279.7 272.0 260.0 250.4 237.1 219.2 207.5	3.746 4.038 4.323 4.599 4.866 5.122 5.366 5.601 5.828 6.043	90.0 90.3 90.5 90.6 90.7 90.9 91.0 90.9 91.0	1504.6 1504.6 1502.8 1501.5 1497.9 1498.0 1496.0 1495.5 1493.3 1491.8	198.2 237.0 278.6 323.0 370.1 419.8 472.0 526.5 583.4 642.4	143.5 55.7 82.5 119.9 130.9 168.6 84.5 101.7 119.2 217.7
200.0 210.0 220.0 230.0 240.0 250.0 260.0 270.0 280.0 290.0	199.2 209.1 219.1 229.0 238.9 248.9 258.8 268.7 278.7 288.6	9.896 9.589 9.248 8.972 8.575 8.375 8.380 8.035 7.903	9.874 9.565 9.224 8.947 8.697 8.549 8.349 8.252 8.007 7.874	33.760 33.797 33.850 33.878 33.908 33.941 33.958 33.971 33.995 33.998	26.006 26.086 26.183 26.248 26.311 26.359 26.404 26.428 26.484 26.506	26.907 27.033 27.177 27.289 27.398 27.583 27.583 27.5654 27.756 27.824	26.002 26.082 26.179 26.244 26.307 26.355 26.400 26.424 26.479 26.501	203.5 195.9 186.8 180.7 174.8 176.3 166.2 164.0 158.8 156.8	6.249 6.447 6.638 6.820 6.998 7.172 7.339 7.504 7.666 7.823	90.9 91.0 90.9 90.9 90.9 90.9 90.9	1491.7 1490.8 1489.7 1488.9 1488.2 1487.8 1487.2 1487.0 1486.3 1486.0	703.5 766.6 831.7 898.6 967.2 1037.6 1109.7 1183.5 1258.8 1335.8	107.1 31.2 21.8 27.9 20.2 65.0 37.4 55.6 46.5 22.4
300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0	298.5 308.5 318.4 328.3 338.3 348.2 358.1 368.0 378.0 387.9	7.704 7.590 7.443 7.228 7.123 6.916 6.851 6.612 6.532 6.453	7.674 7.560 7.412 7.197 7.091 6.884 6.818 6.579 6.498 6.418	33.999 33.997 34.004 34.001 33.997 33.992 34.002 33.996 34.000 34.014	26.535 26.551 26.577 26.605 26.616 26.640 26.658 26.685 26.699 26.720	27.900 27.962 28.034 28.110 28.167 28.239 28.302 28.376 28.437 28.504	26.531 26.546 26.572 26.601 26.612 26.636 26.653 26.653 26.694 26.715	154.1 152.7 150.3 147.6 146.7 144.4 142.8 142.8 139.0 137.1	7.979 8.132 8.284 8.433 8.580 8.726 8.870 9.151 9.288	90.9 90.8 90.8 90.8 90.8 90.7 90.8 90.7	1485.4 1485.1 1484.7 1484.0 1483.8 1483.1 1483.0 1482.2 1482.1 1481.9	1414.2 1494.2 1575.8 1658.8 1743.2 1829.2 1916.5 2005.3 2095.4 2186.9	17.1 13.9 35.2 19.1 15.6 11.4 34.6 11.1 25.4 5.5
400.0 410.0 420.0 430.0 440.0 450.0 460.0 480.0 490.0	397.8 407.8 417.7 427.6 437.5 447.4 457.4 457.3 477.2 487.1	6.359 6.225 6.159 6.040 5.731 5.684 5.756 5.531	6.323 6.189 6.122 6.002 5.862 5.693 5.646 5.716 5.7590 5.535	34.017 34.019 34.034 34.041 34.043 34.059 34.088 34.093 34.105	26.735 26.753 26.774 26.794 26.814 26.853 26.868 26.886 26.903	28.566 28.631 28.698 28.765 28.832 28.902 28.965 29.024 29.090 29.153	26.730 26.749 26.769 26.790 26.810 26.832 26.849 26.863 26.882 26.898	135.7 134.0 132.1 130.2 128.3 126.2 124.7 123.5 121.7 120.3	9.425 9.559 9.693 9.824 9.953 10.080 10.206 10.330 10.453 10.574	90.6 90.6 90.6 90.6 90.6 90.5 90.5	1481.7 1481.4 1481.3 1481.0 1480.6 1480.1 1480.1 1480.2 1480.2	2279.8 2374.0 2469.6 2566.4 2564.6 2763.9 2864.6 2966.5 3069.6 3173.8	24.2 9.9 25.4 12.8 29.1 13.3 13.9 15.0 14.5
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600.0 610.0 620.0 630.0 640.0 650.0 670.0 680.0 690.0	596.2 606.1 616.0 626.0 635.9 645.8 655.7 665.6 675.5 685.4	4.799 4.678 4.615 4.592 4.558 4.558 4.521 4.487 4.454	4.752 4.630 4.567 4.544 4.529 4.508 4.471 4.436 4.402 4.384	34.171 34.170 34.177 34.184 34.197 34.205 34.216 34.229 34.238 34.245	27.046 27.059 27.071 27.080 27.091 27.101 27.113 27.127 27.138 27.146	29.809 29.869 29.929 29.983 30.041 30.096 30.154 30.215 30.272 30.326	27.041 27.054 27.066 27.074 27.086 27.095 27.107 27.122 27.133 27.140	107.1 105.8 104.6 103.9 102.9 102.1 101.0 99.7 98.7 98.1	11.827 11.934 12.039 12.143 12.246 12.349 12.450 12.551 12.650 12.748	90.6 90.6 90.6 90.7 89.6 90.6 90.6 90.7	1478.9 1478.5 1478.5 1478.7 1478.7 1478.8 1478.8 1478.8 1478.8	4396.9 4514.7 4633.5 4753.4 4874.2 4996.1 5119.0 5242.9 5367.7 5493.6	7.1 22.9 2.4 14.1 3.8 10.3 16.7 19.4 3.0 11.5
700.0 710.0 720.0 730.0 740.0 750.0 760.0 770.0 780.0 790.0	695.3 705.2 715.1 725.0 734.9 744.8 754.8 764.7 774.6 784.5	4.414 4.378 4.343 4.328 4.310 4.293 4.279 4.251 4.220 4.194	4.360 4.324 4.288 4.273 4.254 4.236 4.221 4.192 4.161 4.134	34.256 34.270 34.281 34.291 34.293 34.307 34.314 34.320 34.332 34.338	27.156 27.171 27.184 27.193 27.198 27.211 27.217 27.226 27.238 27.245	30.383 30.444 30.503 30.558 30.608 30.720 30.775 30.834 30.887	27.151 27.166 27.178 27.187 27.191 27.205 27.211 27.219 27.232 27.239	97.2 95.8 94.6 93.9 93.6 92.4 91.8 91.1 89.9	12.846 12.943 13.038 13.132 13.226 13.319 13.411 13.502 13.593 13.682	90.6 90.7 90.7 90.7 90.6 90.6 90.6 90.6	1479.0 1479.1 1479.1 1479.2 1479.3 1479.4 1479.6 1479.6 1479.6	5620.4 5748.1 5876.8 6006.4 6137.0 6268.4 6400.8 6534.1 6668.3 6803.3	11.8 10.0 18.5 13.2 9.7 6.8 6.5 14.4
800.0 810.0 820.0 830.0 840.0 850.0 860.0 870.0 880.0	794.4 804.3 814.2 624.1 834.0 843.9 853.8 863.7 873.6 883.5	4.185 4.135 4.117 4.087 4.063 4.037 4.010 3.983 3.963 3.942	4.125 4.074 4.055 4.025 4.000 3.974 3.946 3.918 3.897 3.876	34.346 34.352 34.357 34.367 34.371 34.375 34.382 34.387 34.395 34.400	27.253 27.263 27.269 27.280 27.286 27.292 27.300 27.307 27.316 27.321	30.941 30.997 31.050 31.107 31.159 31.210 31.265 31.319 31.373 31.425	27.247 27.257 27.263 27.274 27.279 27.285 27.293 27.301 27.309 27.315	86.2 85.8 85.3 84.5 83.9	13.771 13.859 13.947 14.033 14.119 14.205 14.290 14.374 14.458 14.540	90.7 90.6 90.6 90.6 90.7 90.7 90.6 90.5 90.7	1479.8 1479.8 1479.9 1480.0 1480.1 1480.1 1480.2 1480.3 1480.4	6939.2 7076.0 7213.7 7352.2 7491.6 7631.8 7772.8 7914.7 8057.3 8200.9	1.3 8.3 10.1 4.2 7.4 7.7 6.3 7.5 7.2
900.0 910.0 920.0 930.0 940.0 950.0 960.0 970.0 980.0	893.4 903.3 913.2 923.0 932.9 942.8 952.7 962.6 972.5 982.4	3.918 3.901 3.872 3.843 3.823 3.807 3.785 3.763 3.739 3.708	3.851 3.833 3.803 3.775 3.754 3.737 3.714 3.692 3.667 3.635	34.418 34.427 34.432 34.436 34.440 34.445 34.445 34.450 34.454	27.335 27.341 27.350 27.358 27.362 27.367 27.367 27.380 27.386 27.393	31.485 31.536 31.592 31.646 31.697 31.748 31.800 31.853 31.905 31.958	27.328 27.334 27.343 27.351 27.356 27.360 27.367 27.373 27.379 27.385	81.0 80.1 79.4 79.0 78.6 78.1 77.5 77.0	14.622 14.704 14.784 14.864 14.943 15.022 15.100 15.178 15.255 15.332	90.6 90.6 90.6 90.7 90.6 90.7 90.7 90.7 90.6 90.6	1480.5 1480.6 1480.7 1480.7 1480.9 1480.9 1481.0 1481.1	8345.2 8490.3 8636.2 8782.9 8930.3 9078.6 9227.6 9377.3 9527.9	5.4 6.3 5.7 5.7 3.7 2.2 7.2 11.0 3.4

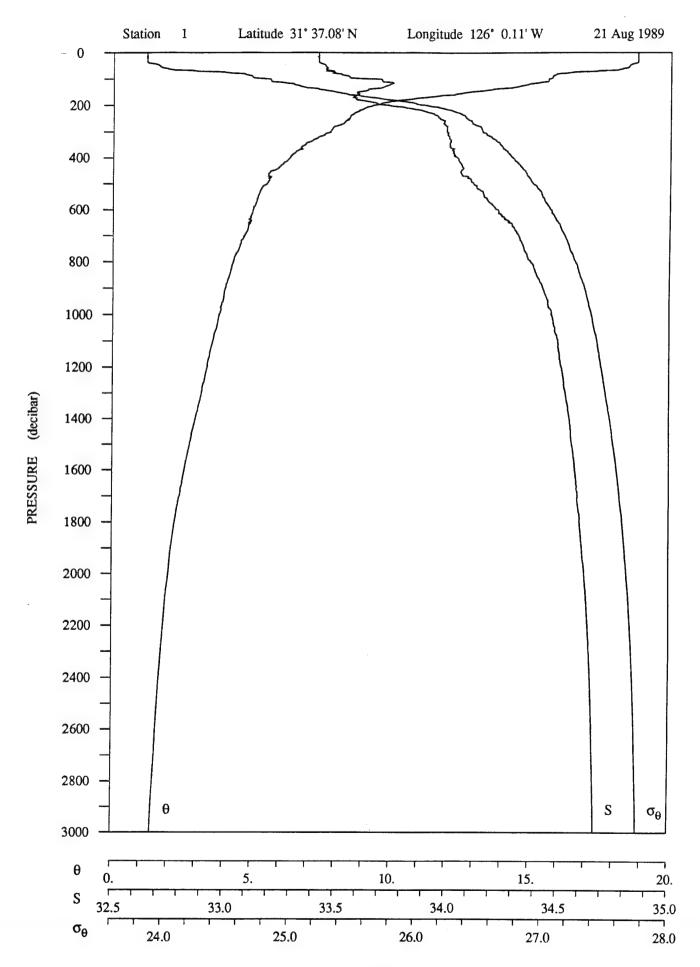
Station	84	Latitude	31° 04.1	.6'N	Longitu	de 126°	38.89'W	01	Sep 1989	GMT 10	23	Bottom	
Pres.	Depth m	Temp.	Pot.T.	Sal 0/00	Sigma-0 kg/m ³	Sigma-z kg/m ³	Sigma-t kg/m ³	Delta 10 ⁸ m ³ /kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m ³ /s ²	N ² 10 ⁶ /s ²
1000.0 1020.0 1040.0 1060.0 1100.0 1120.0 1140.0 1160.0 1180.0	992.3 1012.1 1031.9 1051.6 1071.4 1091.2 1111.0 1130.7 1150.5 1170.3	3.685 3.644 3.595 3.553 3.517 3.470 3.422 3.363 3.329 3.291	3.612 3.569 3.519 3.476 3.438 3.390 3.342 3.281 3.246 3.207	34.461 34.478 34.486 34.490 34.496 34.502 34.507 34.513 34.517	27.409 27.419 27.430 27.437 27.446 27.455 27.466 27.473 27.481	32.008 32.113 32.216 32.318 32.417 32.519 32.621 32.724 32.824 32.924	27.390 27.402 27.412 27.422 27.429 27.439 27.448 27.458 27.466 27.473	76.0 74.9 74.0 73.1 72.5 71.6 70.8 69.9 69.2 68.6	15.408 15.559 15.708 15.855 16.000 16.144 16.287 16.427 16.566 16.704	90.7 90.6 90.7 90.6 90.6 90.6 90.6 90.6	1481.2 1481.4 1481.5 1481.7 1481.8 1482.0 1482.1 1482.2 1482.4 1482.6	9831.2 10137.5 10446.7 10758.8 11073.8 11391.6 11712.2 12035.6 12361.7 12690.5	3.4 5.2 4.6 1 2.0 7.0 8.7 5.5 4.7
1200.0 1220.0 1240.0 1260.0 1300.0 1320.0 1340.0 1360.0 1380.0	1190.0 1209.8 1229.5 1249.3 1269.1 1288.8 1308.6 1328.3 1348.1 1367.8	3.265 3.222 3.186 3.150 3.106 3.066 3.038 3.006 2.967 2.928	3.179 3.135 3.097 3.060 3.016 2.974 2.944 2.911 2.871 2.831	34.524 34.529 34.532 34.535 34.535 34.540 34.543 34.546 34.551 34.555	27.488 27.497 27.503 27.508 27.516 27.520 27.526 27.531 27.539 27.545	33.023 33.123 33.222 33.319 33.419 33.516 33.614 33.710 33.811 33.909	27.480 27.488 27.494 27.500 27.507 27.512 27.517 27.522 27.530 27.536	67.9 67.2 66.2 65.5 65.1 64.6 64.2 63.5	16.841 16.976 17.110 17.243 17.375 17.505 17.635 17.764 17.892 18.018	90.6 90.7 90.6 90.7 90.5 90.6 90.6 90.6	1482.8 1482.9 1483.1 1483.3 1483.5 1483.6 1483.8 1484.0 1484.2 1484.4	13022.0 13356.1 13692.9 14032.3 14374.2 14718.7 15065.7 15415.3 15767.4 16121.9	2.9 3.8 2.4 .0 3.5 2.1 3.3 6.2 1.5
1400.0 1420.0 1440.0 1460.0 1500.0 1520.0 1540.0 1560.0 1580.0	1387.6 1407.3 1427.0 1446.8 1466.5 1486.2 1506.0 1525.7 1545.4 1565.2	2.903 2.871 2.859 2.824 2.781 2.750 2.715 2.691 2.656 2.623	2.805 2.771 2.757 2.721 2.677 2.645 2.609 2.583 2.547 2.513	34.558 34.561 34.562 34.565 34.572 34.575 34.577 34.581 34.582	27.550 27.556 27.557 27.563 27.570 27.575 27.580 27.585 27.591 27.595	34.006 34.104 34.196 34.295 34.393 34.491 34.588 34.684 34.782 34.878	27.541 27.547 27.548 27.554 27.560 27.566 27.571 27.575 27.581 27.585	62.5 62.0 61.9 61.4 60.8 60.2 59.8 59.4 58.8	18.143 18.268 18.392 18.515 18.637 18.758 18.878 18.998 19.116 19.233	90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6	1484.6 1484.8 1485.1 1485.3 1485.6 1485.8 1486.0 1486.2 1486.4	16478.9 16838.3 17200.1 17564.4 17931.0 18300.0 18671.3 19044.9 19420.9 19799.2	5.1 2.5 2.5 2.5 2.6 1.7 2.8
1600.0 1620.0 1640.0 1660.0 1700.0 1720.0 1740.0 1760.0	1584.9 1604.6 1624.3 1644.0 1663.8 1683.5 1703.2 1722.9 1742.6 1762.3	2.588 2.558 2.517 2.499 2.425 2.399 2.371 2.347 2.328	2.477 2.445 2.403 2.377 2.343 2.308 2.280 2.250 2.226 2.226	34.585 34.589 34.592 34.593 34.597 34.602 34.605 34.606 34.608	27.600 27.606 27.612 27.615 27.621 27.625 27.630 27.635 27.638 27.641	34.976 35.074 35.172 35.266 35.364 35.461 35.557 35.654 35.748 35.843	27.591 27.597 27.602 27.605 27.611 27.616 27.620 27.625 27.628 27.631	57.9 57.4 56.8 56.5 55.5 55.1 54.4 54.1	19.350 19.465 19.579 19.692 19.805 19.916 20.027 20.136 20.246 20.354	90.6 90.6 90.6 90.5 90.5 90.5 90.5	1486.6 1486.8 1487.0 1487.2 1487.4 1487.6 1487.8 1488.0 1488.3 1488.5	20179.7 20562.4 20947.4 21334.6 21724.0 22115.5 22509.2 22905.0 23303.0 23703.0	4.6 1.4 .5 4.7 1.7 2.0 1.2 2.1 4.1
1800.0 1820.0 1840.0 1860.0 1980.0 1920.0 1940.0 1960.0 1980.0	1782.0 1801.7 1821.4 1841.1 1860.8 1880.5 1900.2 1919.9 1939.6 1959.3	2.302 2.282 2.262 2.239 2.209 2.190 2.169 2.150 2.140 2.119	2.178 2.157 2.135 2.110 2.079 2.059 2.036 2.016 2.004 1.983	34.611 34.613 34.614 34.617 34.619 34.621 34.623 34.625 34.626 34.629	27.646 27.649 27.652 27.656 27.660 27.663 27.667 27.670 27.672	35.939 36.033 36.128 36.223 36.319 36.413 36.508 36.602 36.695 36.790	27.635 27.638 27.642 27.646 27.650 27.653 27.656 27.659 27.661 27.665	53.6 53.4 53.1 52.7 52.3 52.0 51.7 51.4 51.3 50.9	20.462 20.569 20.675 20.781 20.886 20.990 21.094 21.197 21.300 21.402	90.6 90.5 90.5 90.5 90.5 90.5 90.5	1488.7 1489.0 1489.2 1489.5 1489.7 1490.2 1490.4 1490.7 1491.0	24105.2 24509.4 24915.7 25324.0 26146.7 26561.1 26977.5 27395.9 27816.3	2.7 1.2 3.0 2.7 2 2.8 1.6 1.9
2000.0 2050.0 2100.0 2150.0 2200.0 2250.0 2300.0 2400.0 2450.0	1979.0 2028.2 2077.4 2126.6 2175.7 2224.9 2274.0 2323.2 2372.3 2421.4	2.090 2.056 2.020 1.986 1.946 1.917 1.889 1.865 1.829	1.952 1.914 1.875 1.837 1.815 1.789 1.756 1.724 1.696 1.656	34.631 34.637 34.641 34.642 34.645 34.647 34.649 34.652 34.652	27.680 27.686 27.691 27.697 27.700 27.704 27.708 27.712 27.716 27.721	36.886 37.118 37.351 37.583 37.811 38.041 38.271 38.500 38.730 38.961	27.669 27.674 27.680 27.685 27.688 27.699 27.703 27.708	50.5 50.0 49.6 49.1 49.0 48.7 48.1 47.8 47.8	21.503 21.755 22.004 22.251 22.496 22.740 22.983 23.224 23.463 23.701	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1491.2 1491.9 1492.6 1493.3 1494.0 1494.8 1495.5 1496.2 1497.0 1497.7	28238.6 29302.9 30379.3 31467.6 32567.8 33679.8 34803.4 35938.7 37085.5 38243.8	4.0 .5 .3 1.2 .6 2.7 .4 .5
2500.0 2550.0 2600.0 2650.0 2700.0 2750.0 2800.0 2850.0 2900.0	2470.5 2519.6 2568.7 2617.8 2666.8 2715.9 2764.9 2813.9 2863.0 2912.0	1.805 1.777 1.754 1.734 1.713 1.694 1.671 1.658 1.640	1.628 1.596 1.569 1.545 1.519 1.496 1.469 1.452 1.429	34.656 34.659 34.660 34.662 34.665 34.667 34.667 34.669 34.669	27.725 27.729 27.732 27.736 27.739 27.742 27.745 27.747 27.750 27.753	39.189 39.418 39.646 39.873 40.100 40.326 40.554 40.778 41.004 41.229	27.711 27.716 27.719 27.722 27.725 27.727 27.730 27.732 27.734 27.737	47.0 46.4 46.2 45.9 45.5 45.4 45.2	23.936 24.170 24.403 24.634 24.865 25.094 25.322 25.549 25.776 26.001	90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5	1498.4 1499.1 1499.9 1500.6 1501.4 1502.9 1503.7 1504.5 1505.2	39413.4 40594.3 41786.3 42989.5 44203.7 45428.9 46665.0 47912.0 49169.8 50438.4	2.4 1.6 1.6 .8 .2 .6 .7
3000.0 3050.0 3100.0 3110.0	2960.9 3009.9 3058.9 3068.7	1.616 1.597 1.589 1.588	1.397 1.373 1.361 1.358	34.672 34.673 34.674 34.674	27.754 27.757 27.759 27.759	41.452 41.677 41.901 41.945	27.738 27.741 27.742 27.742	45.0 44.8 44.7 44.7	26.226 26.451 26.674 26.719	90.5 90.4 90.5 90.4	1506.1 1506.8 1507.6 1507.8	51717.8 53007.9 54308.7 54570.1	1.1 .8 .0

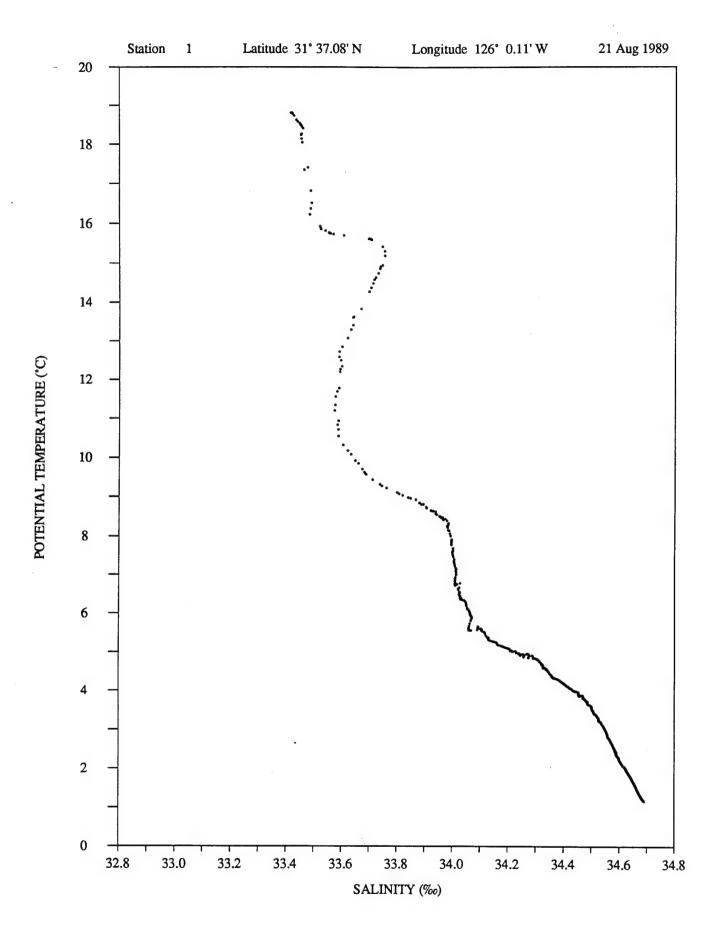
 θ ,S, σ_{θ} Profiles

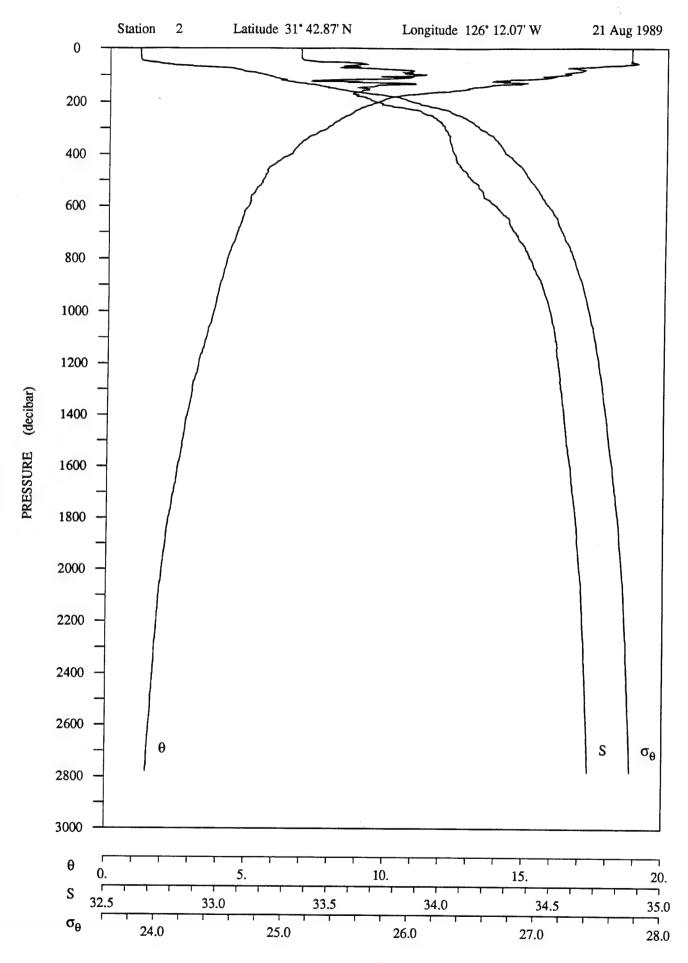
θ-S Diagrams

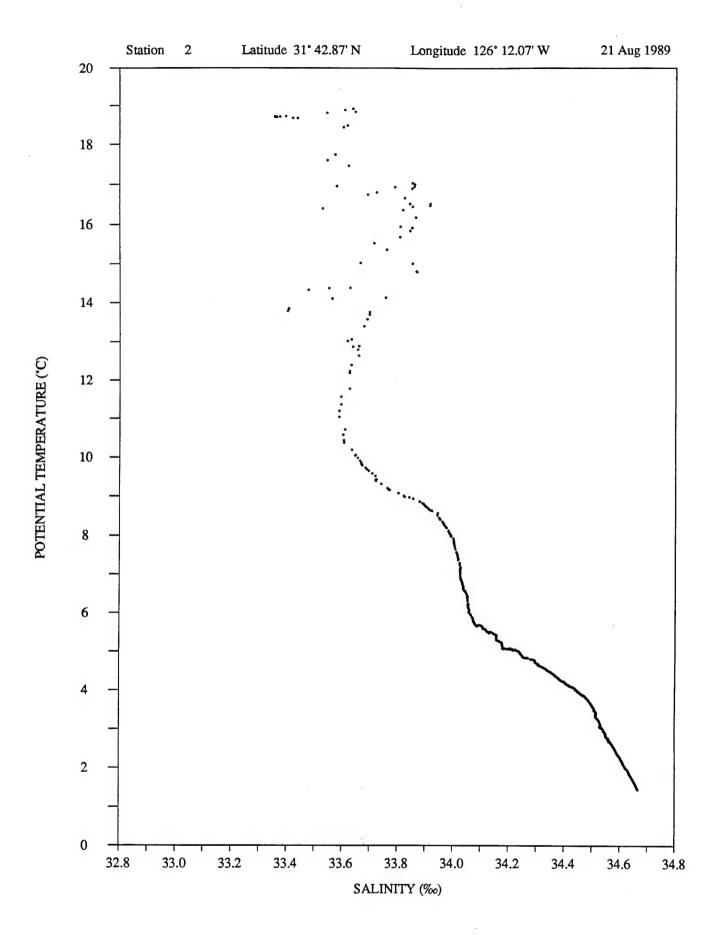


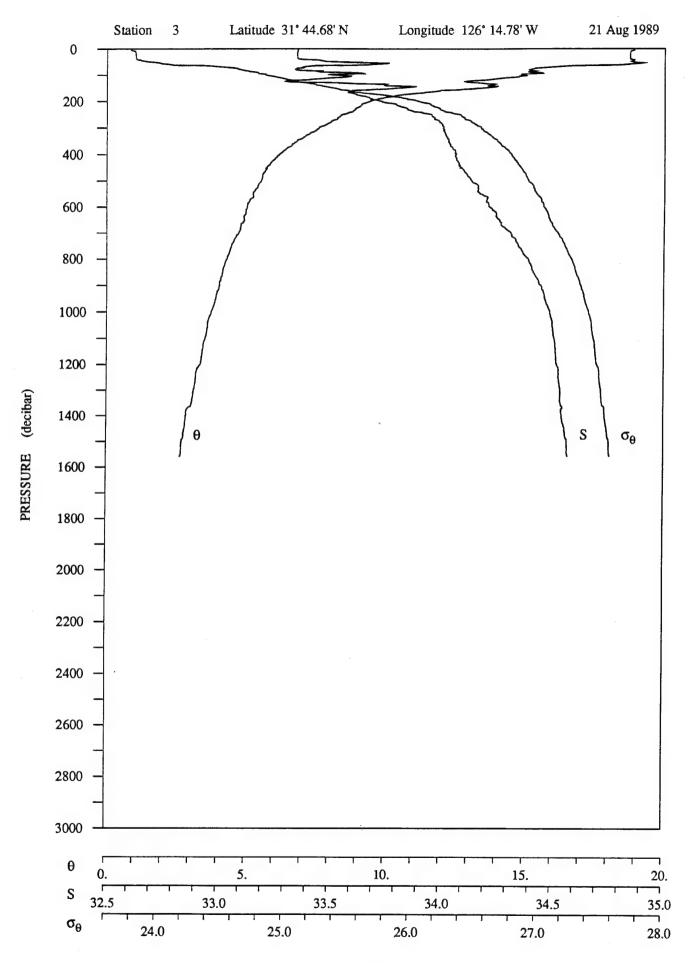


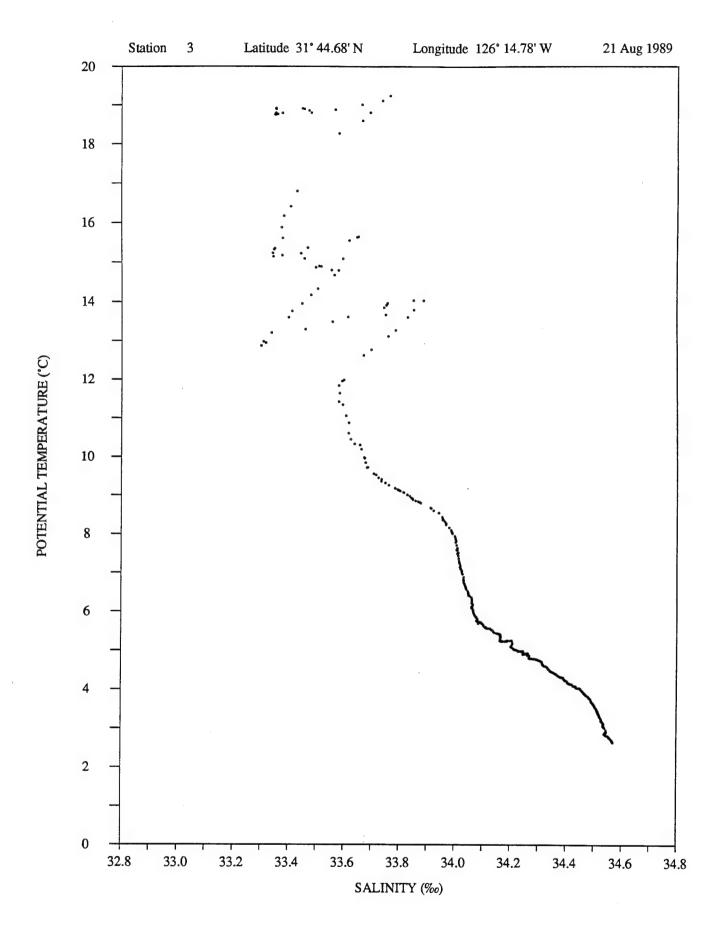


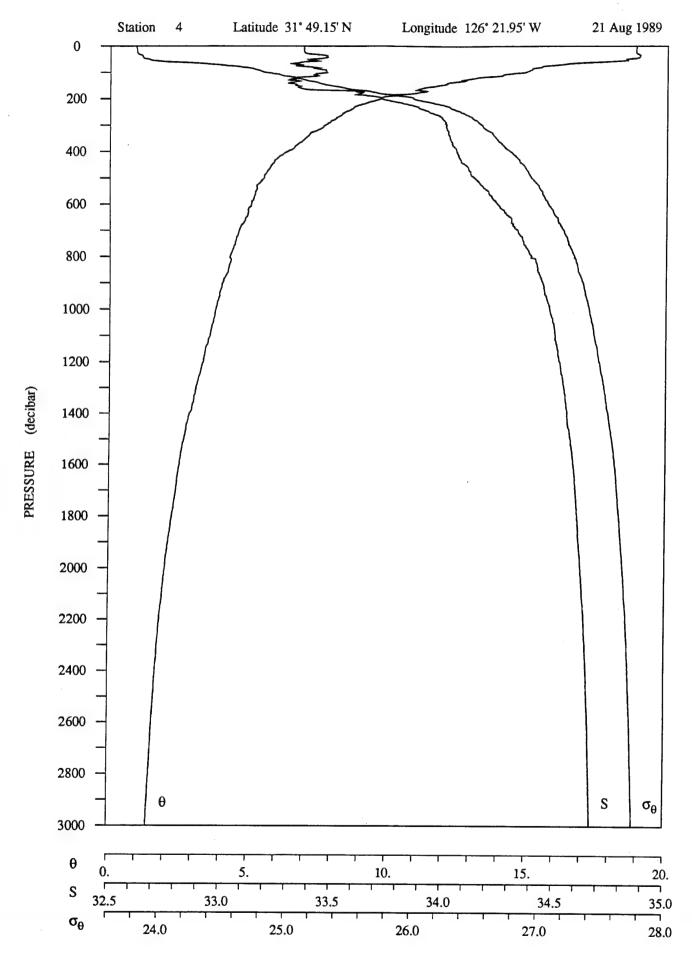


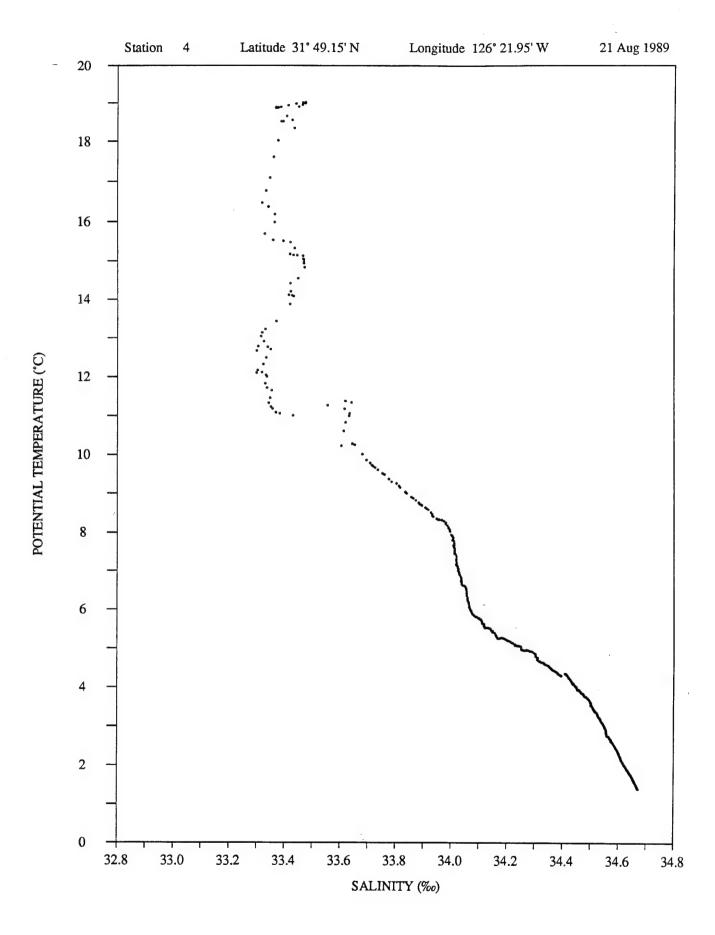


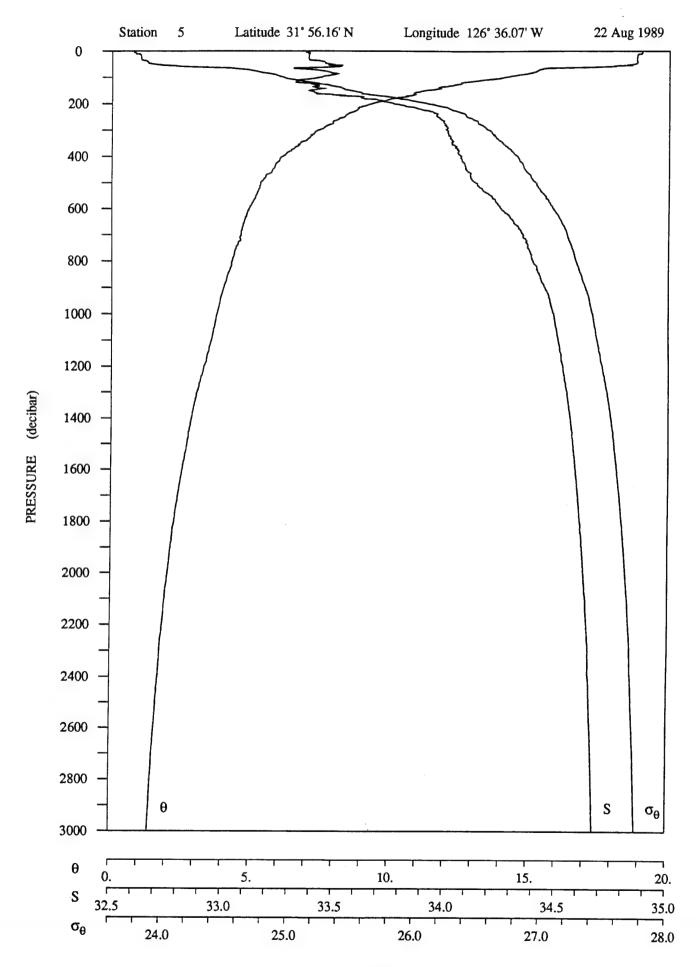


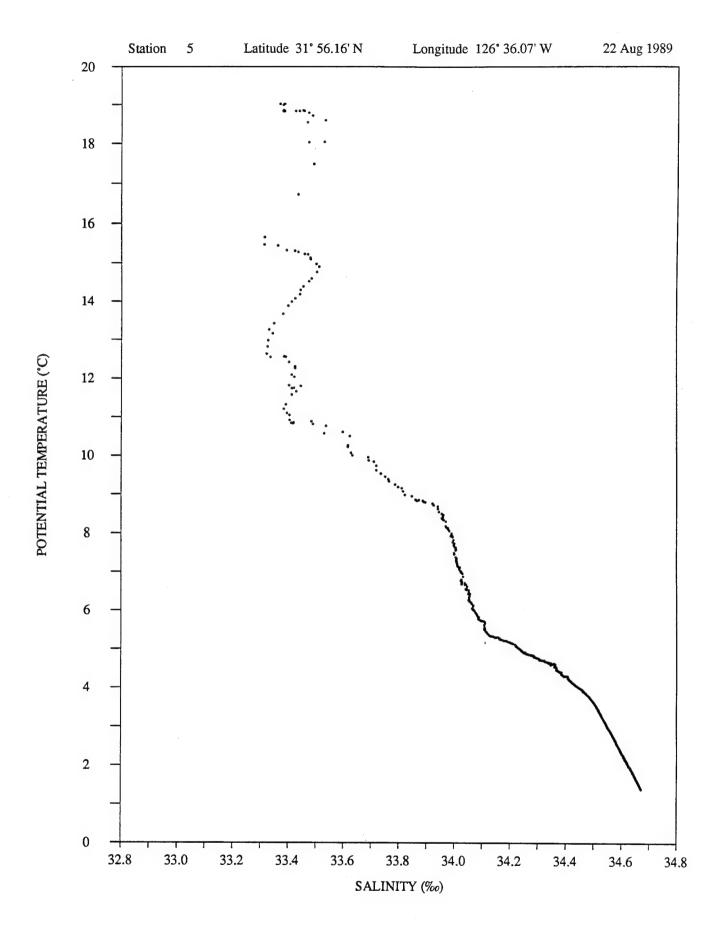


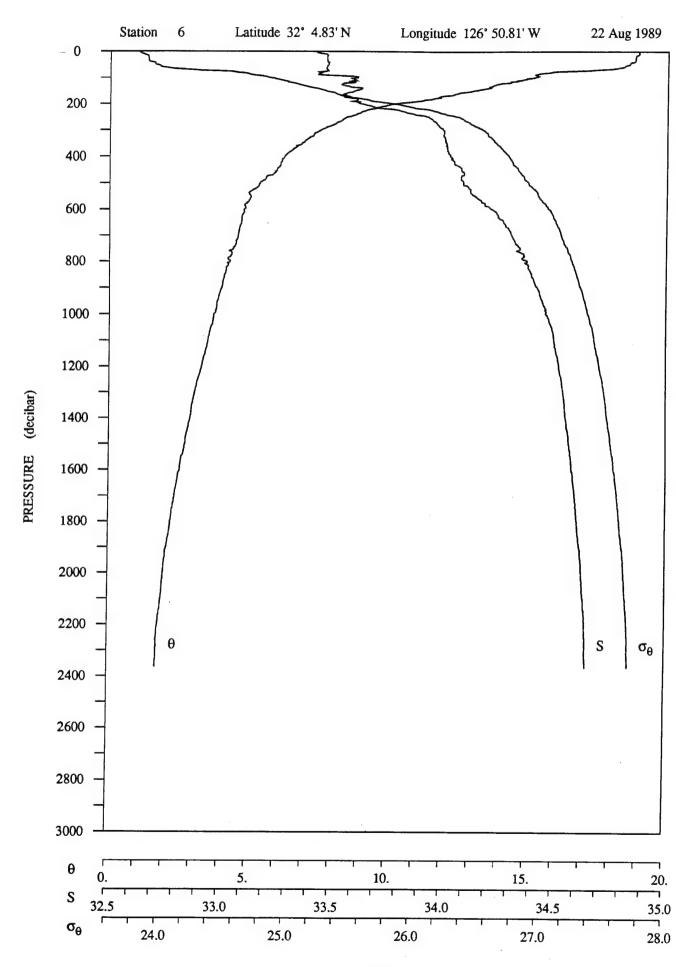


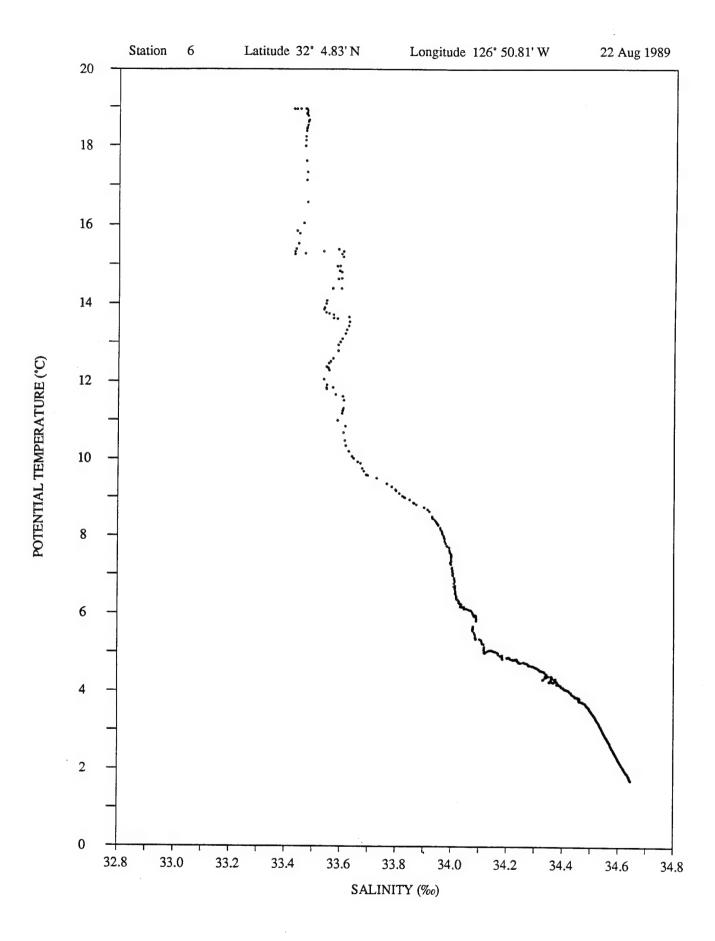


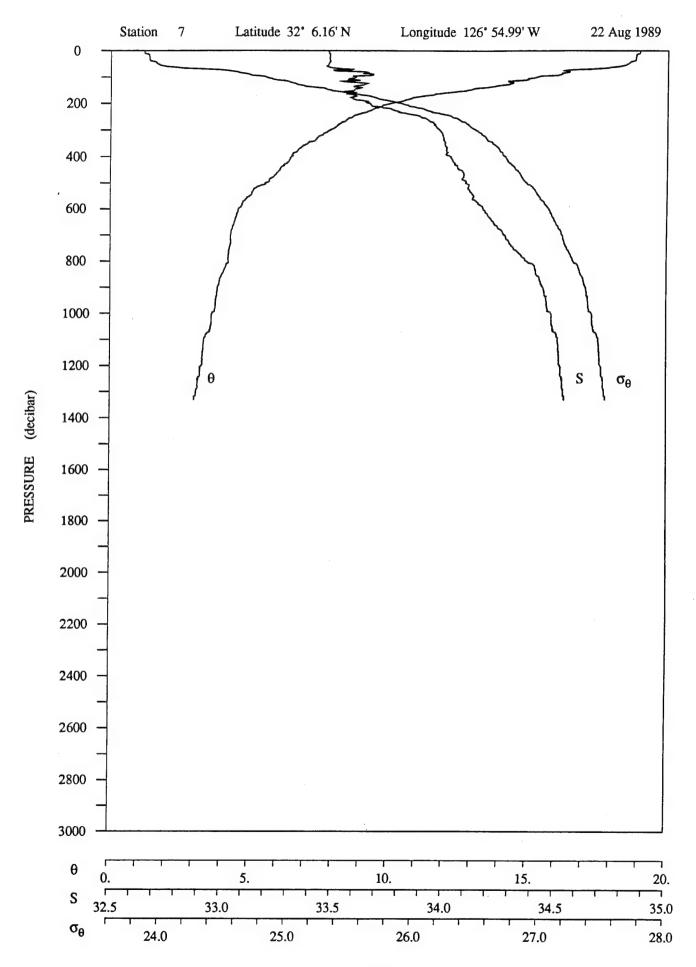


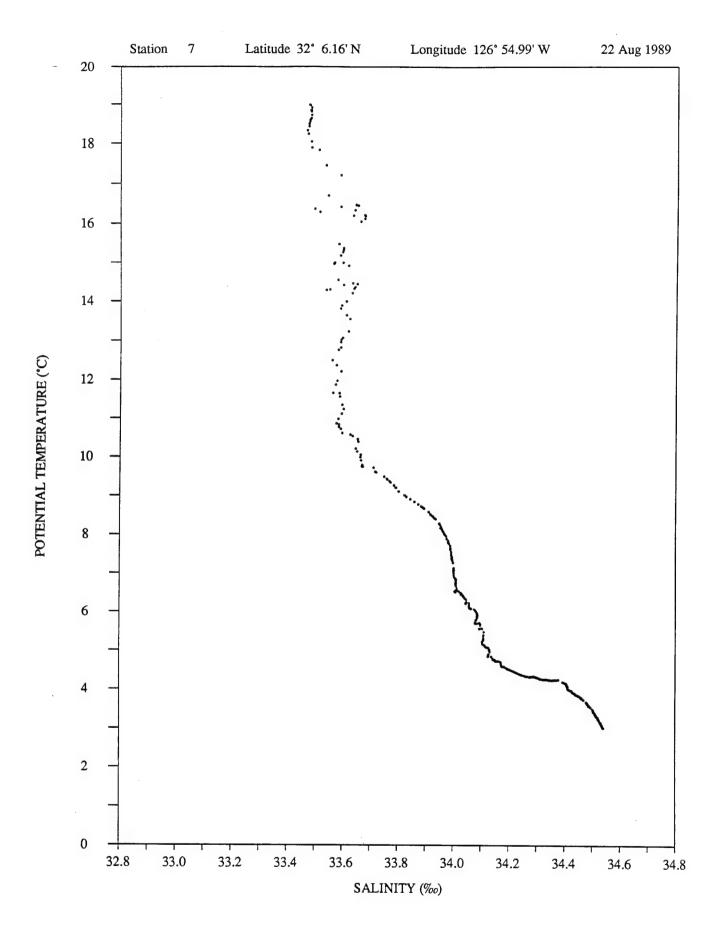


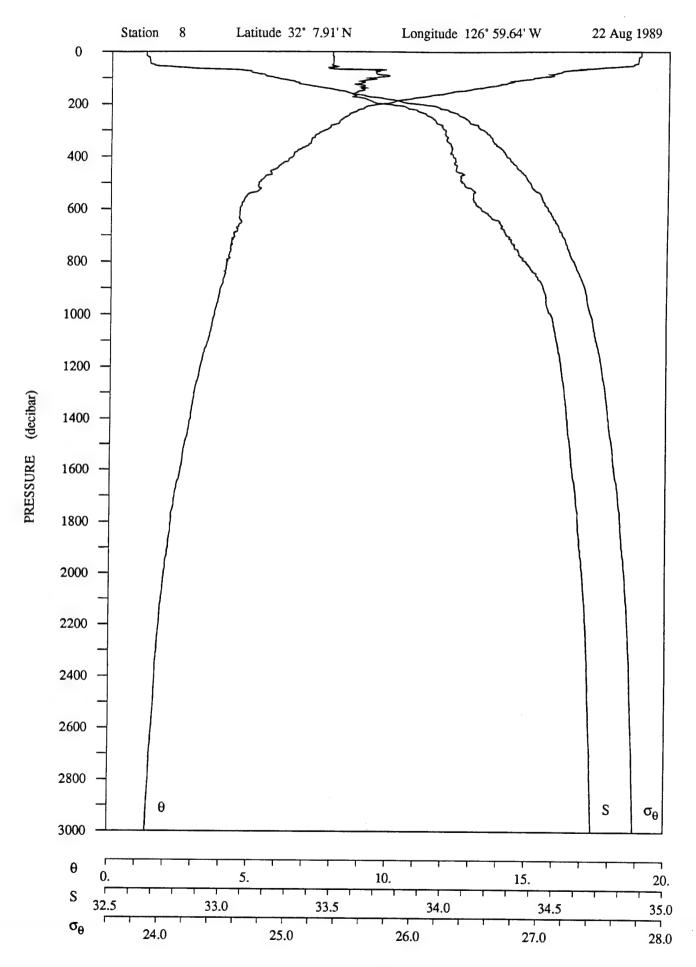


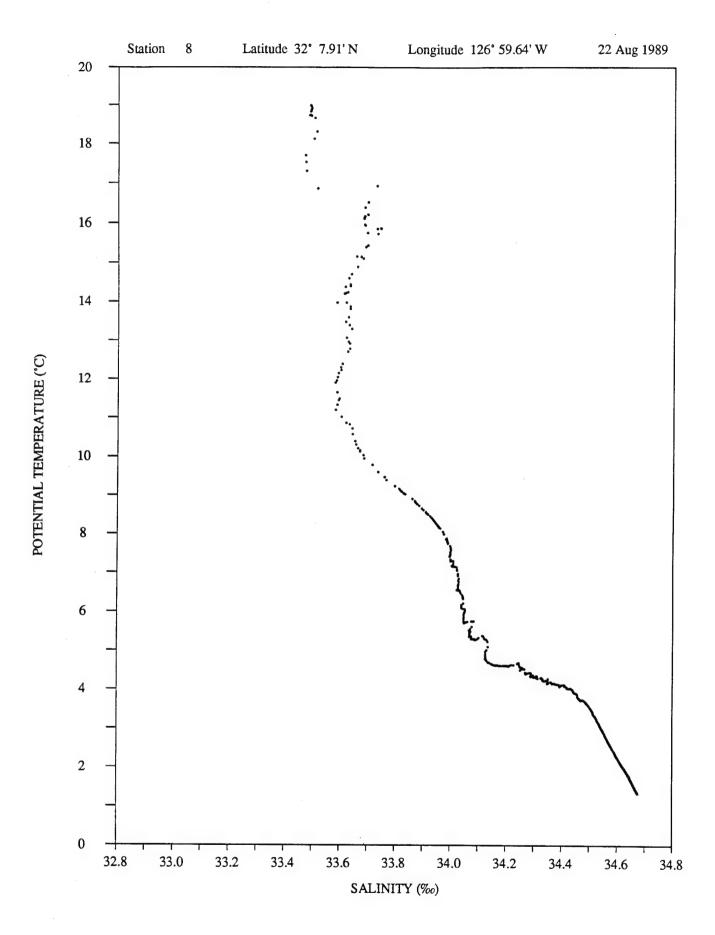


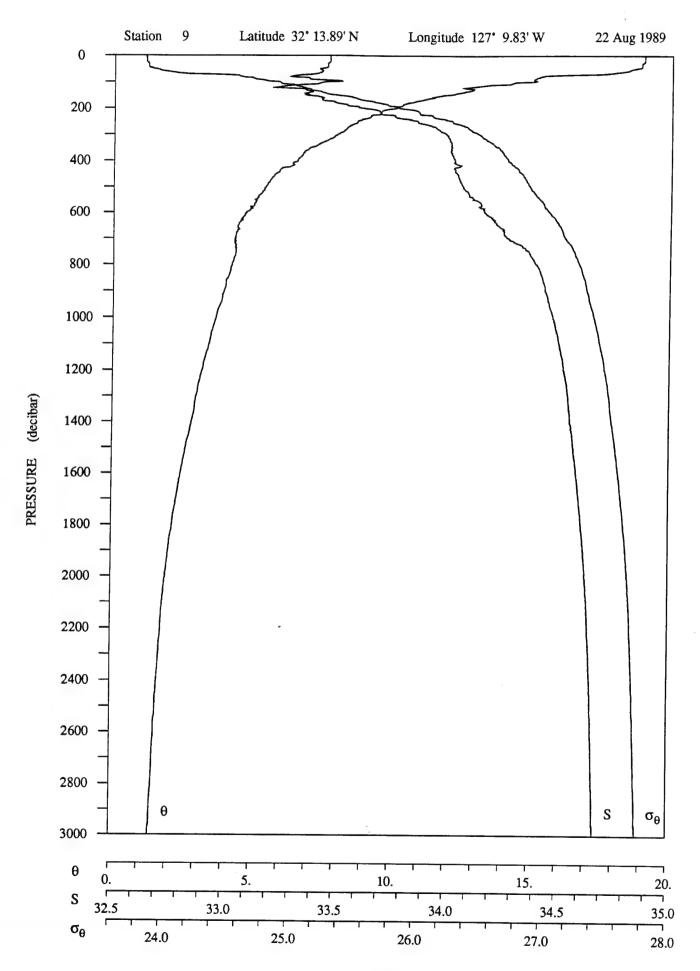


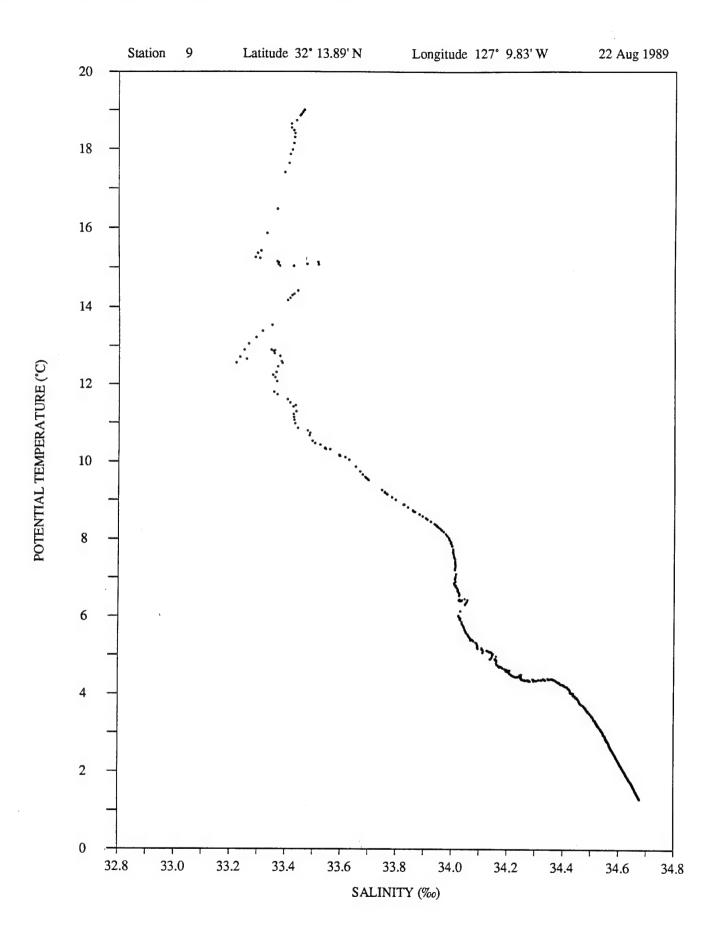


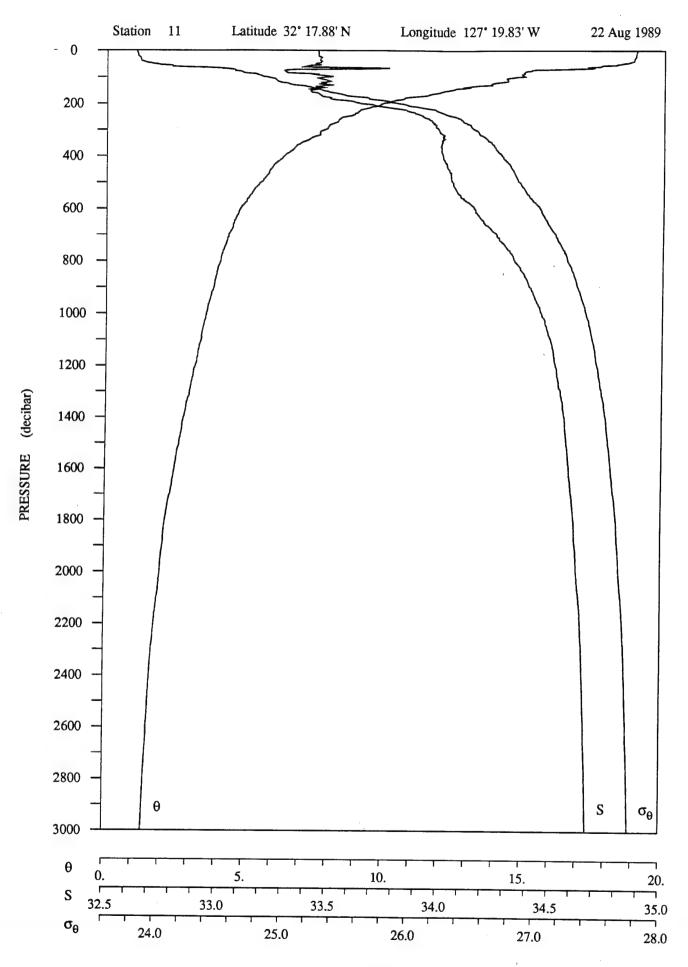


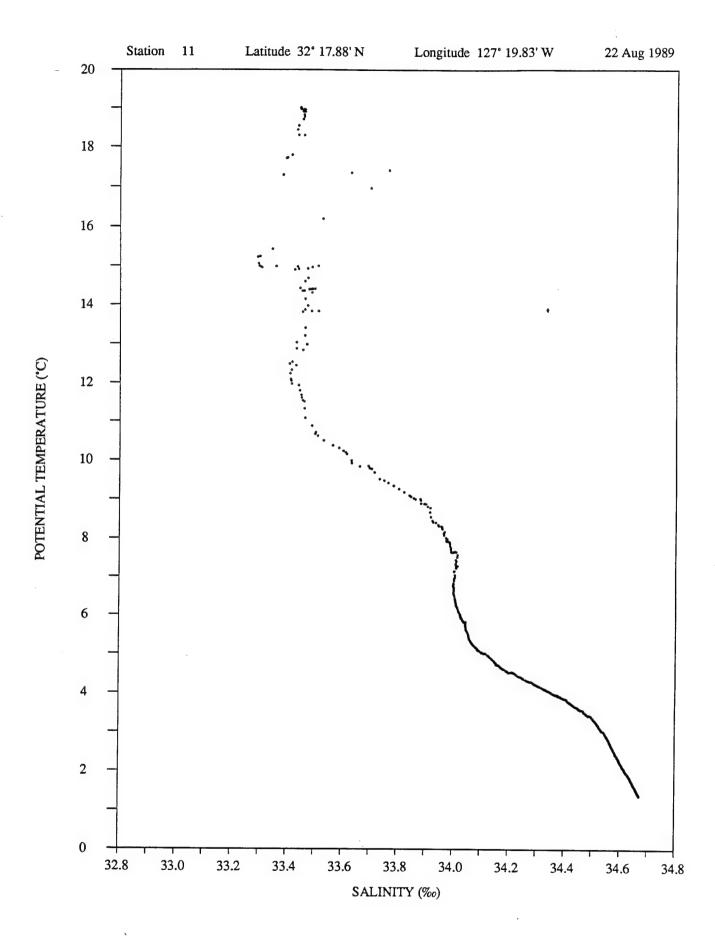


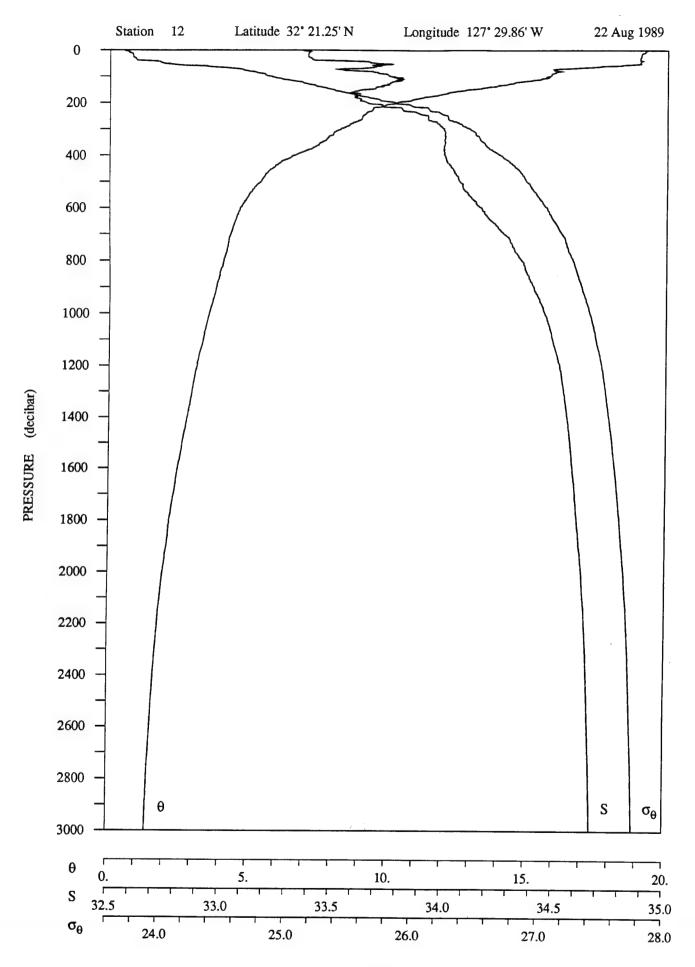


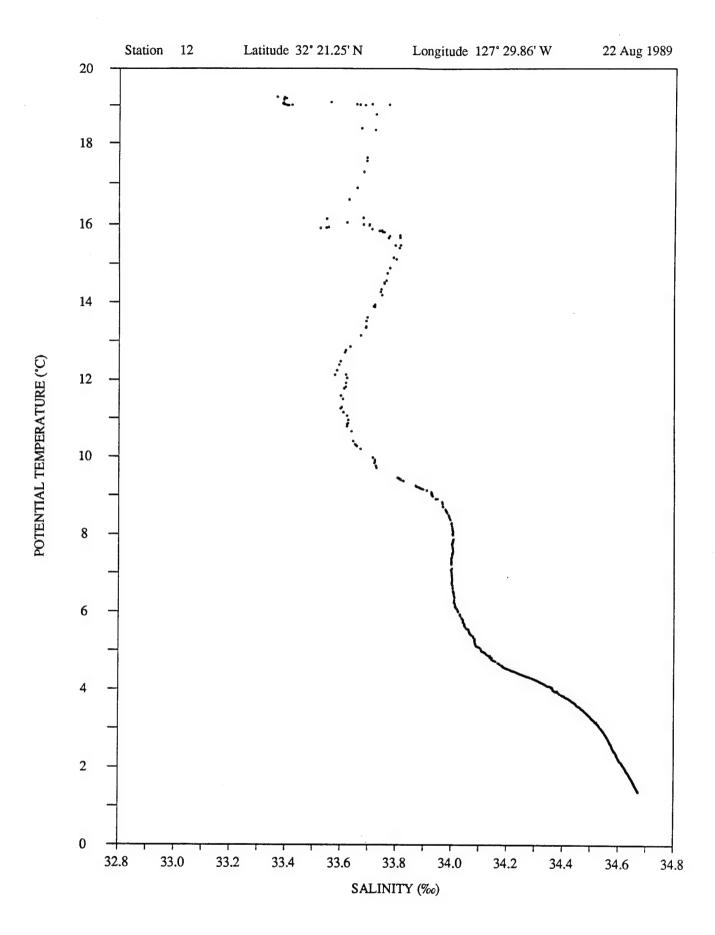


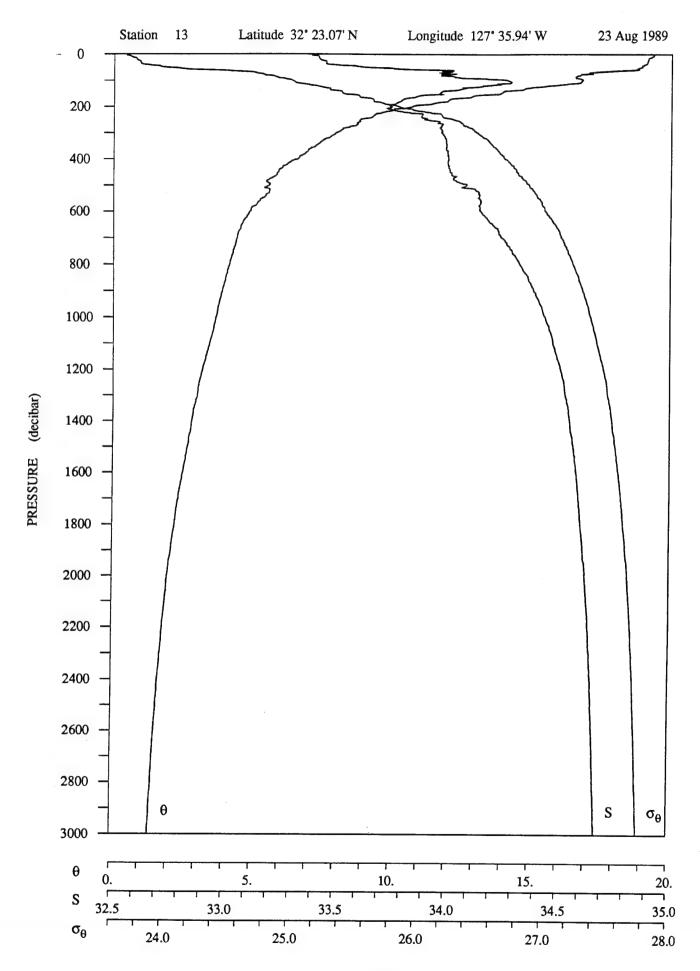


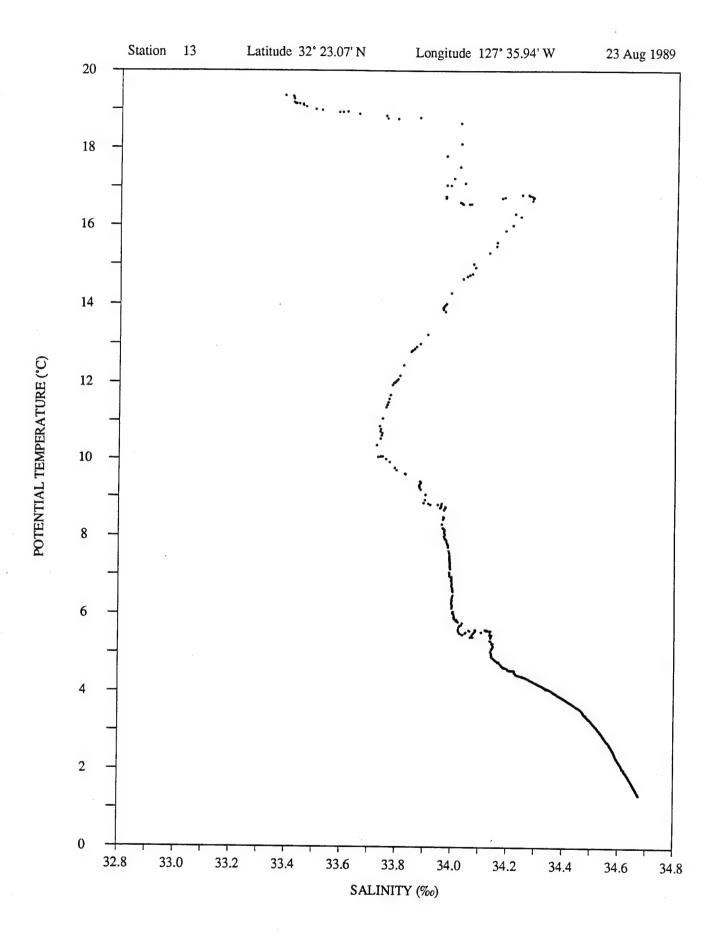


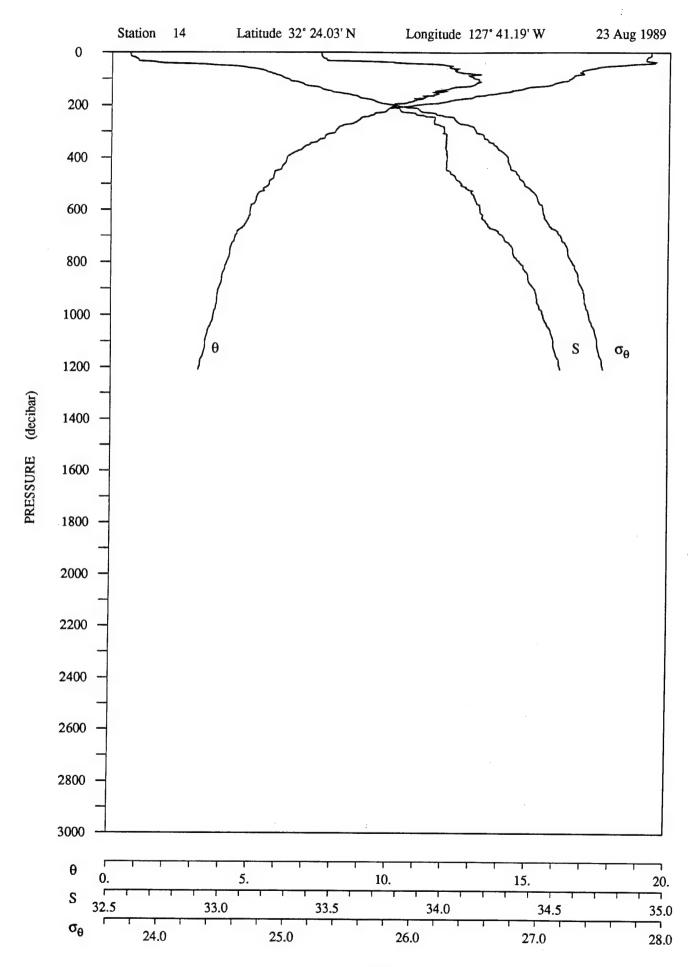


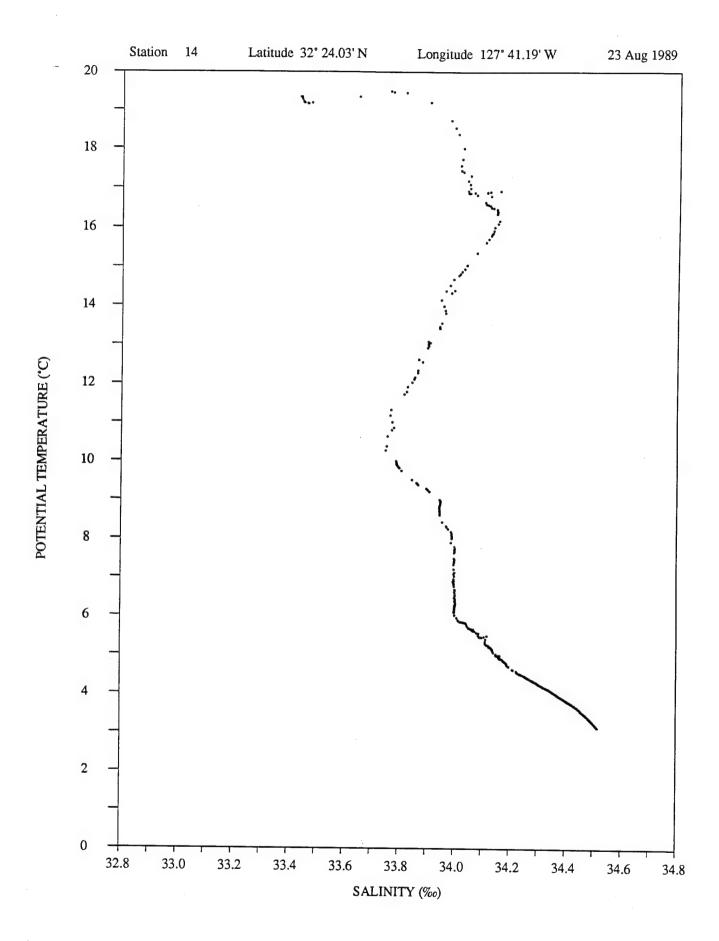


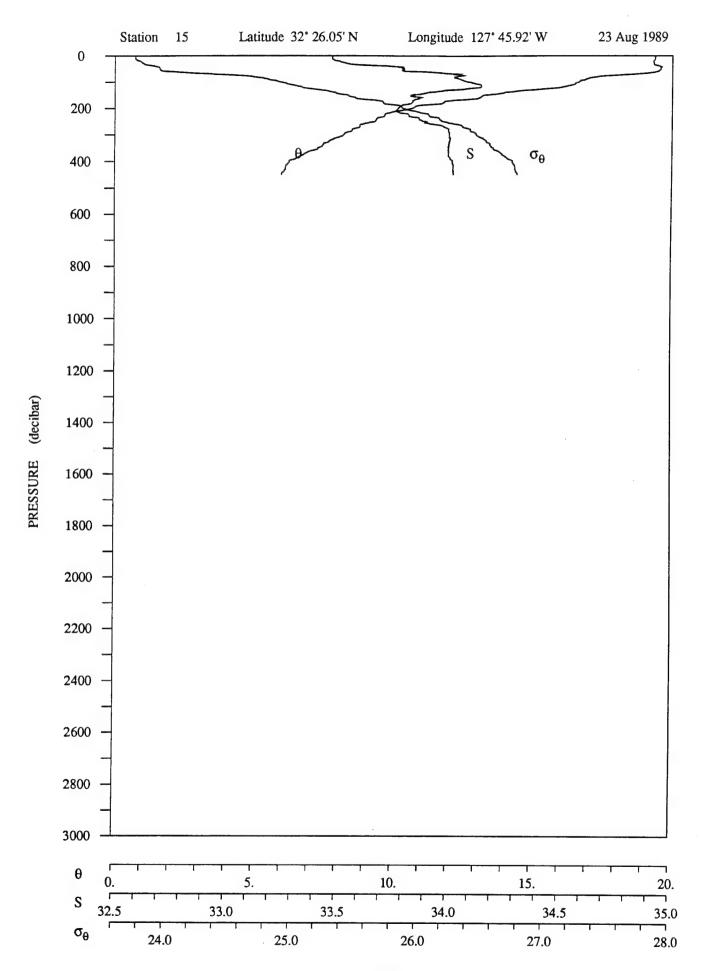


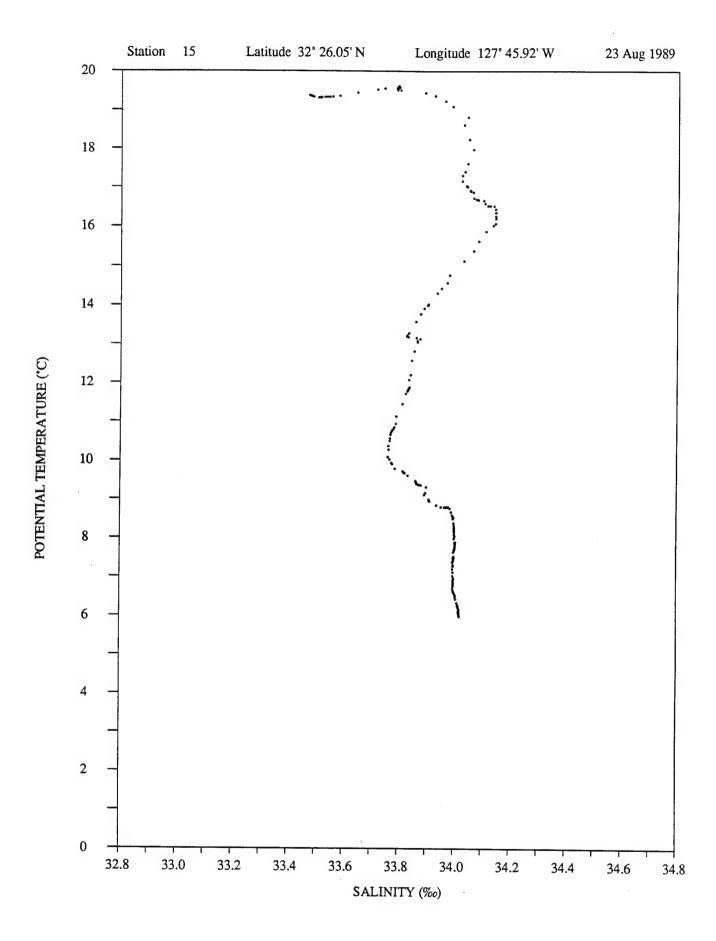


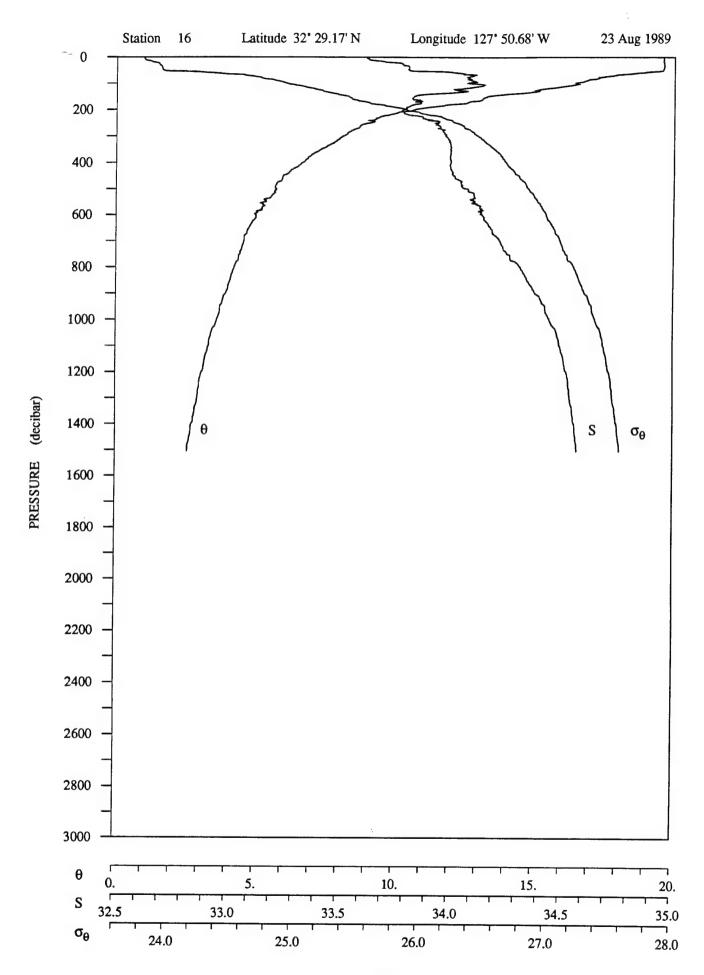


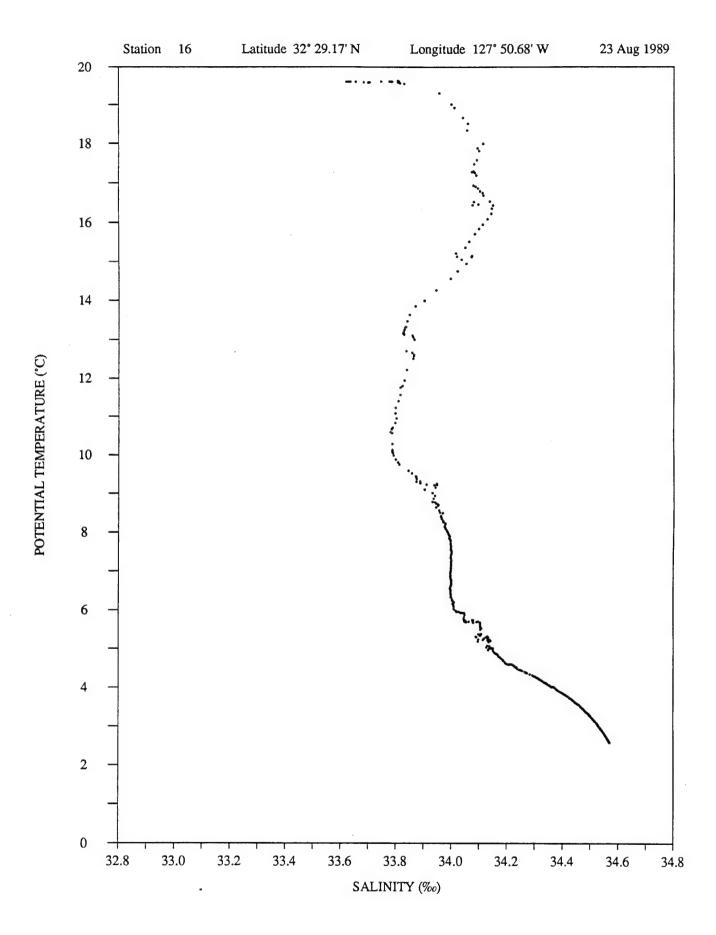


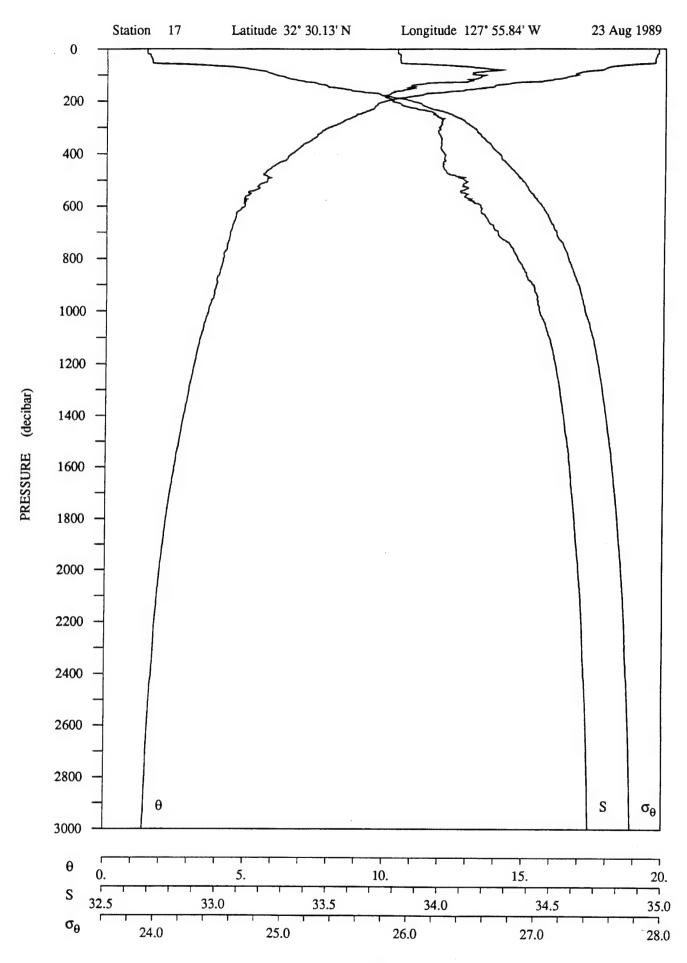


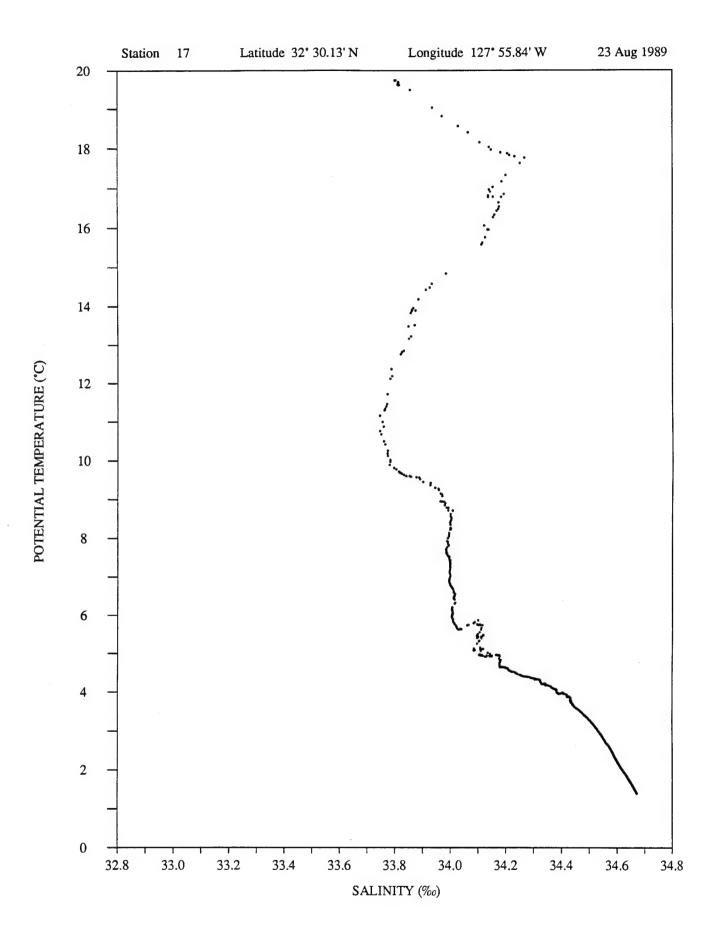


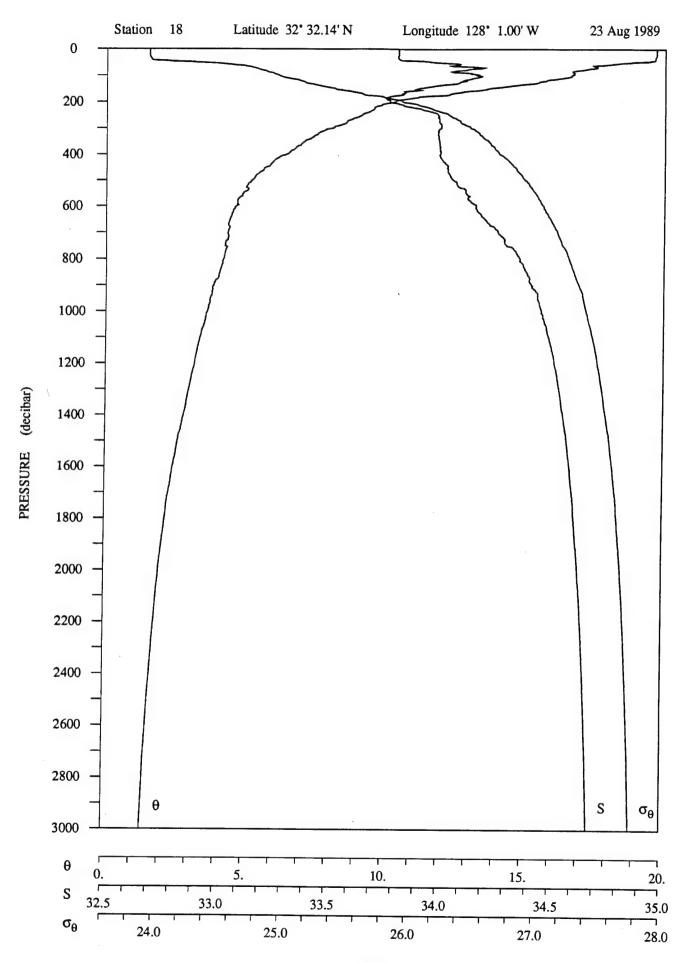


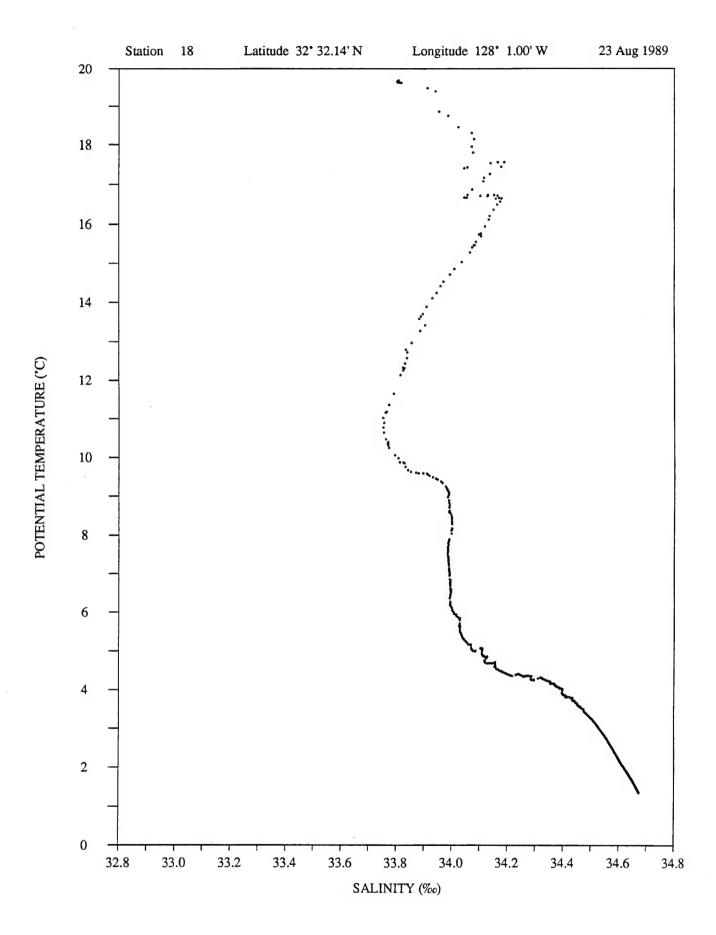


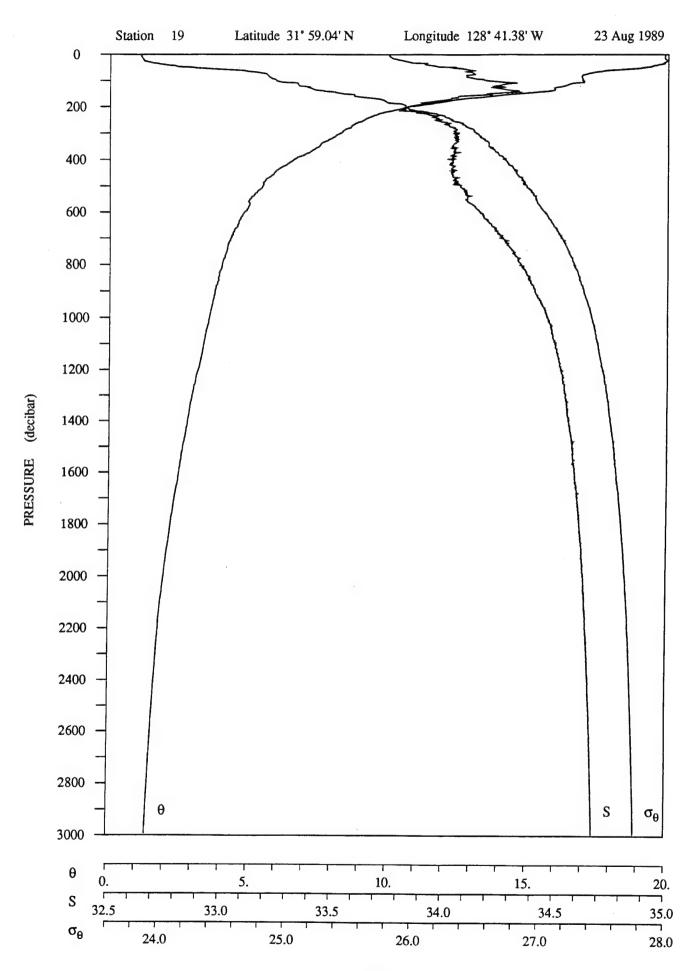


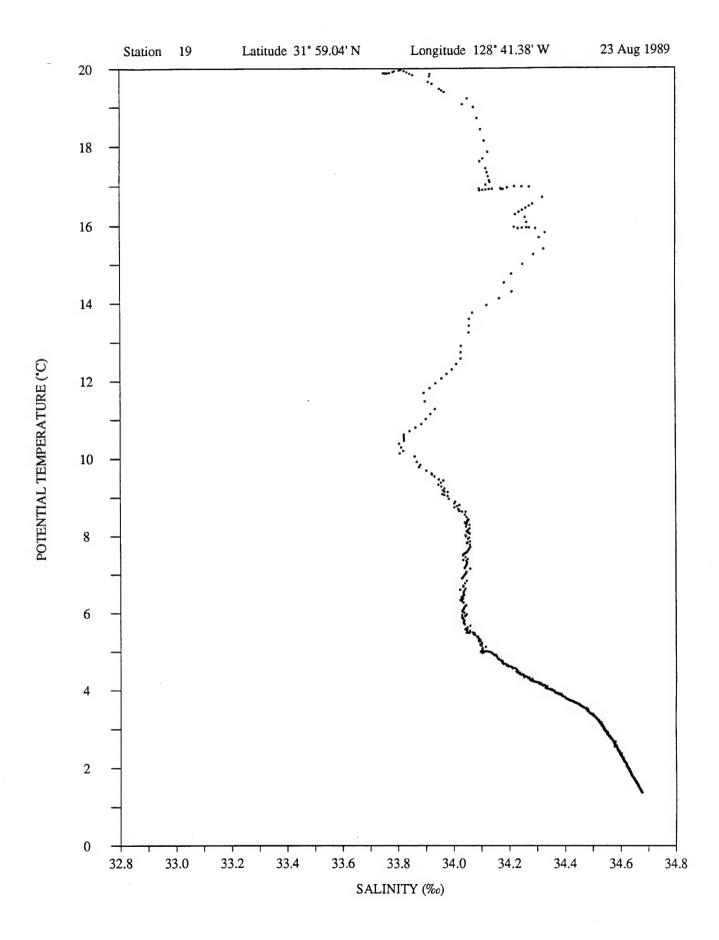


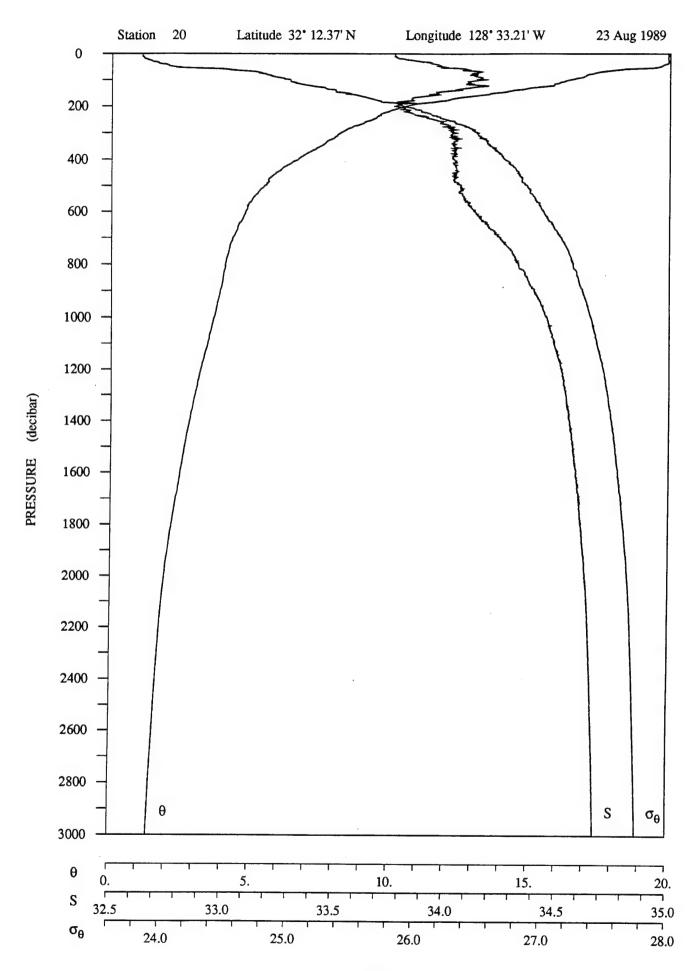


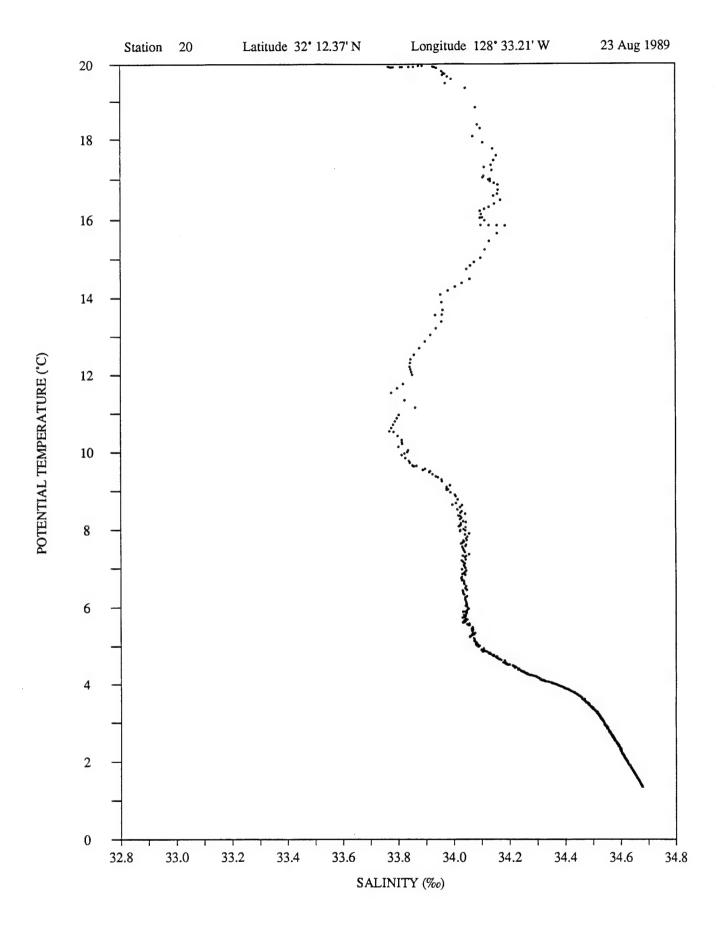


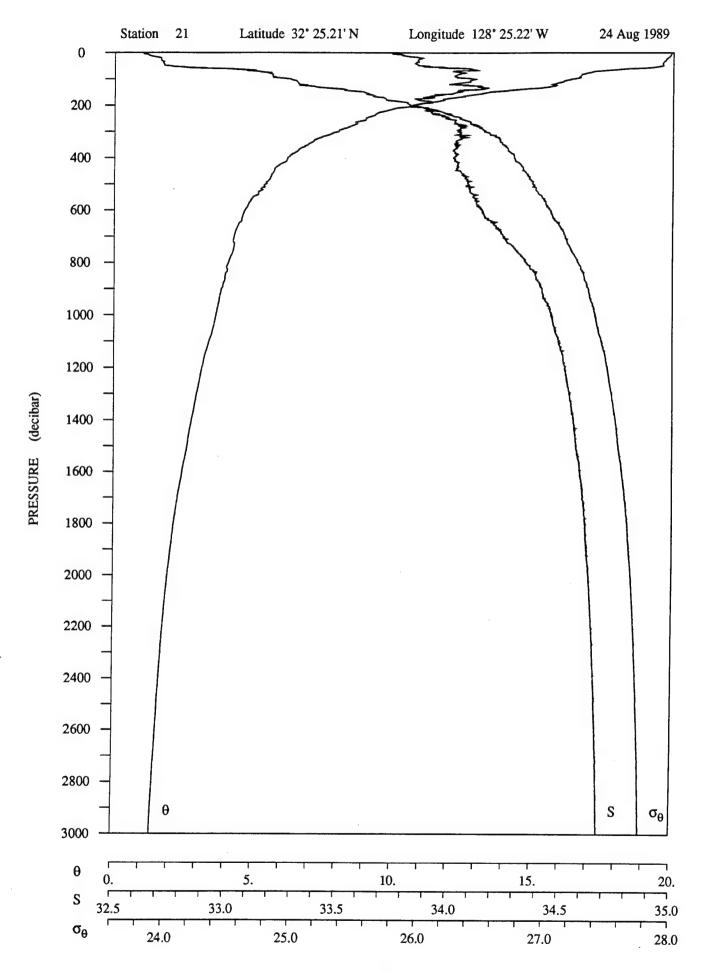


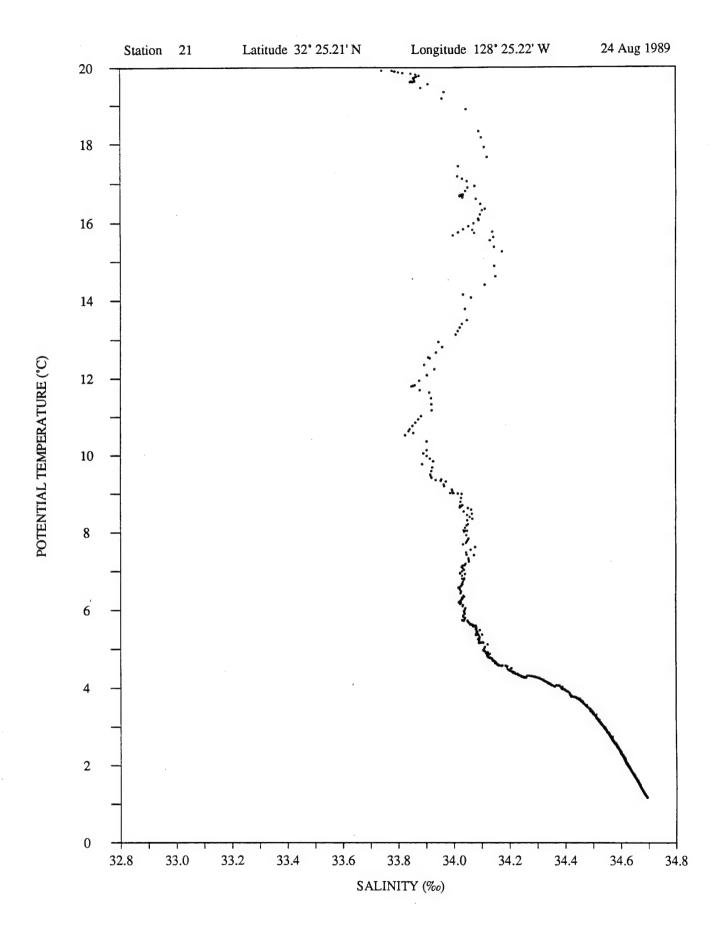


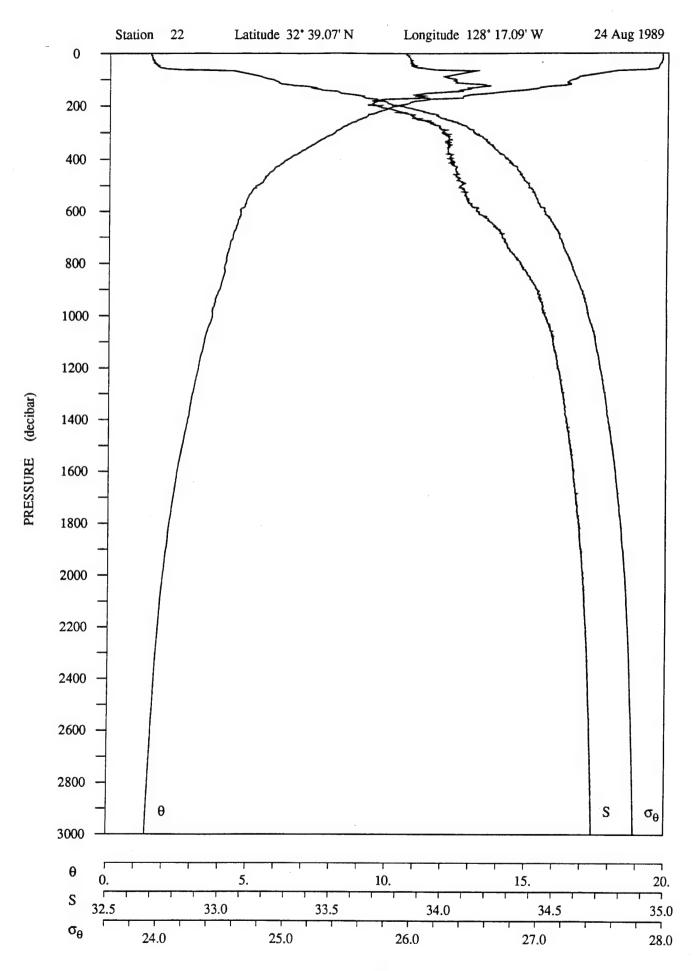


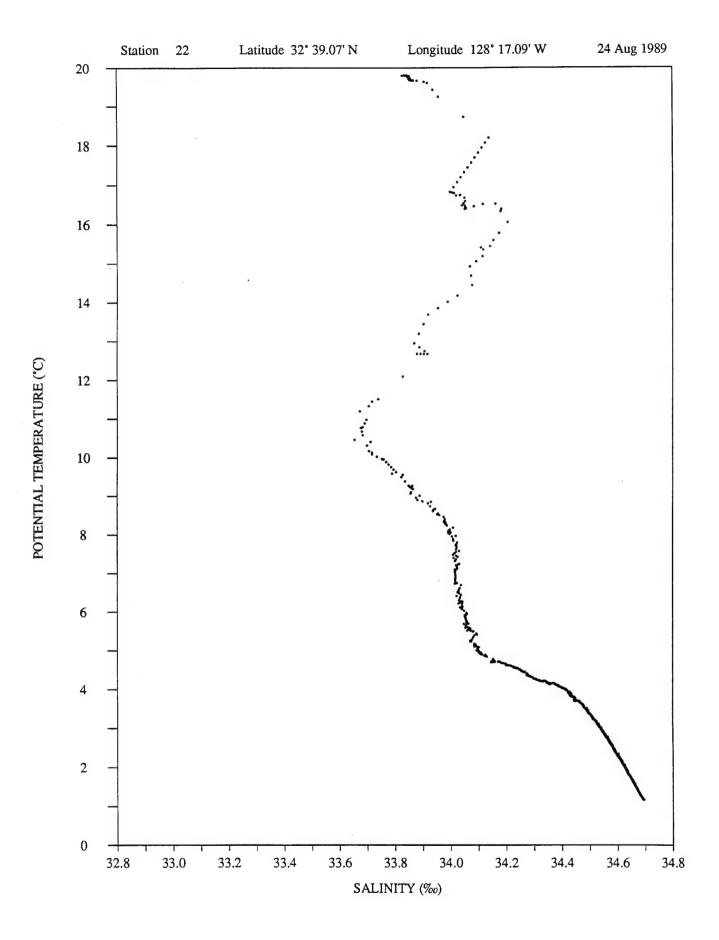


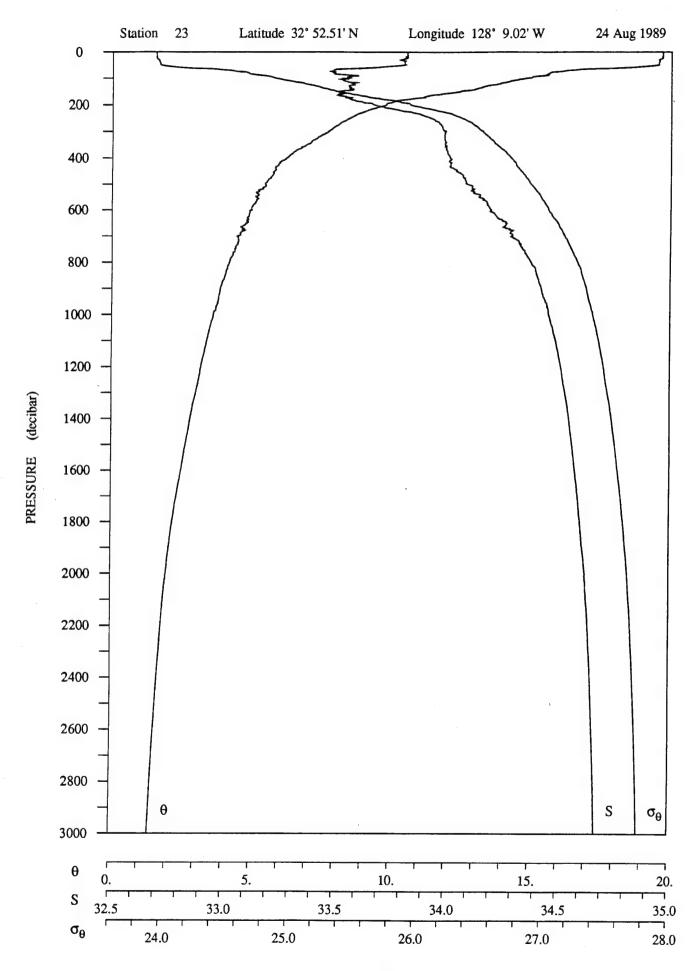


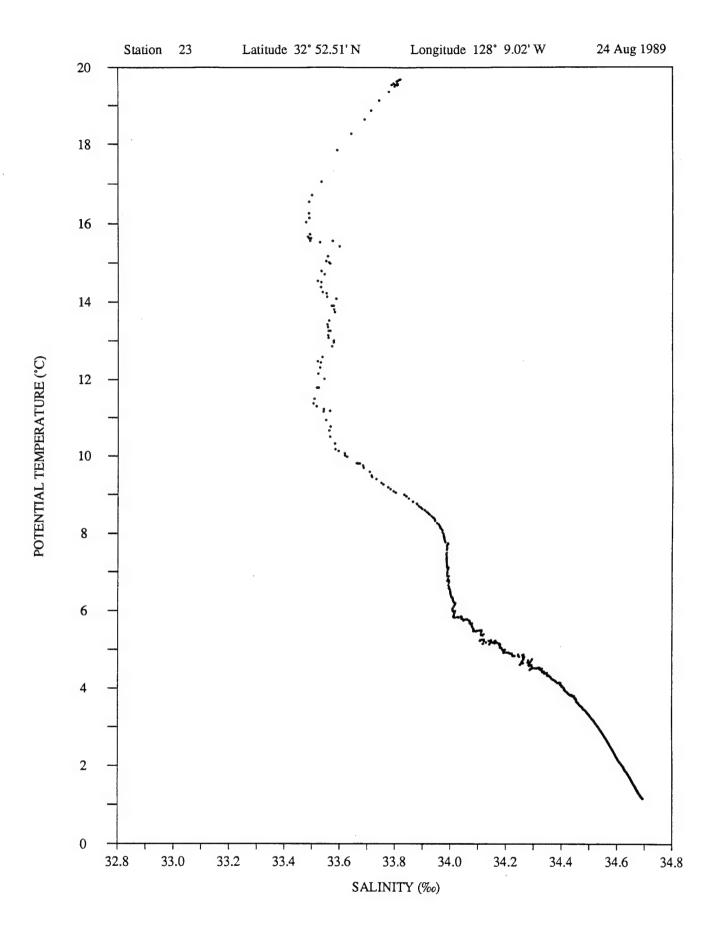


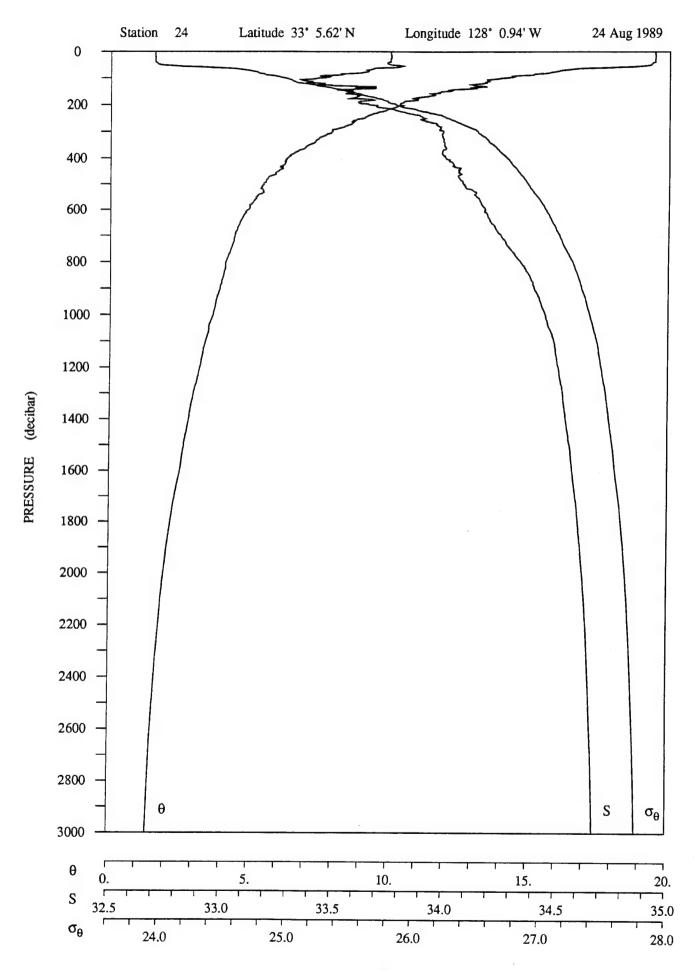


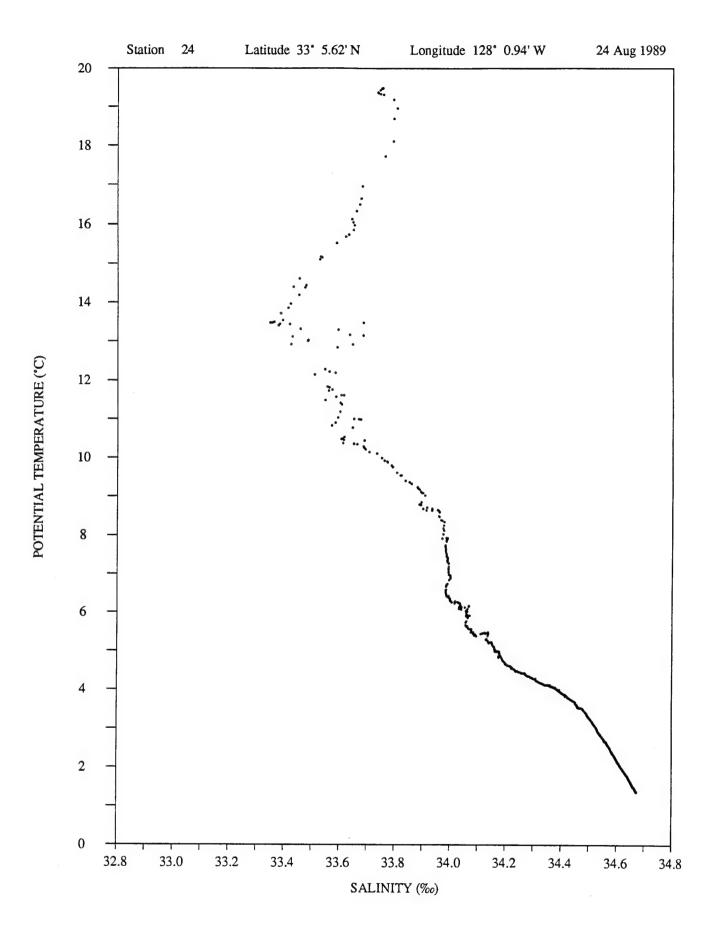


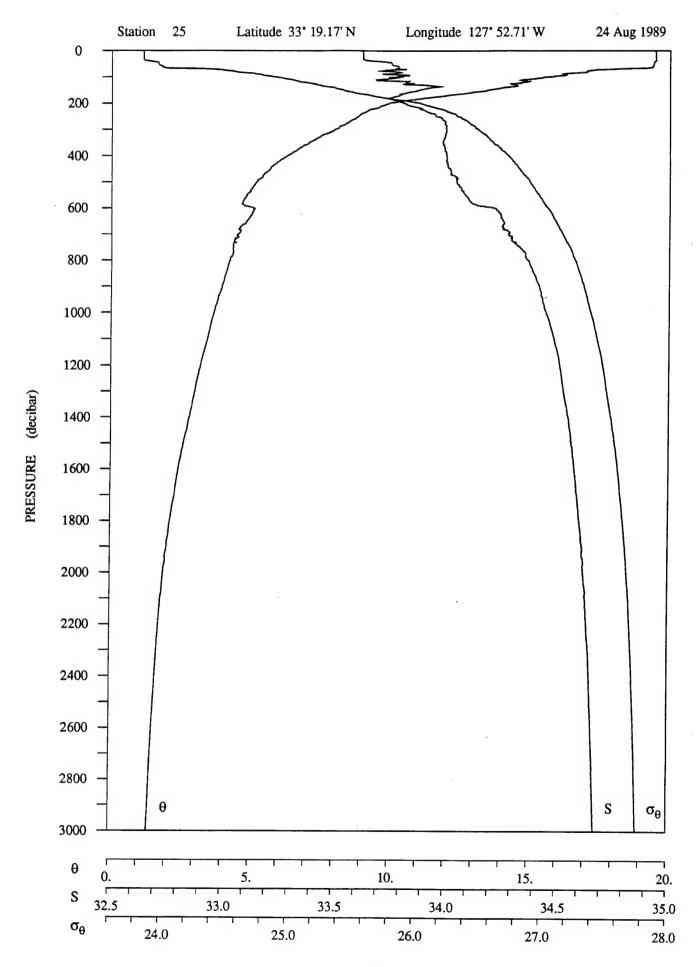


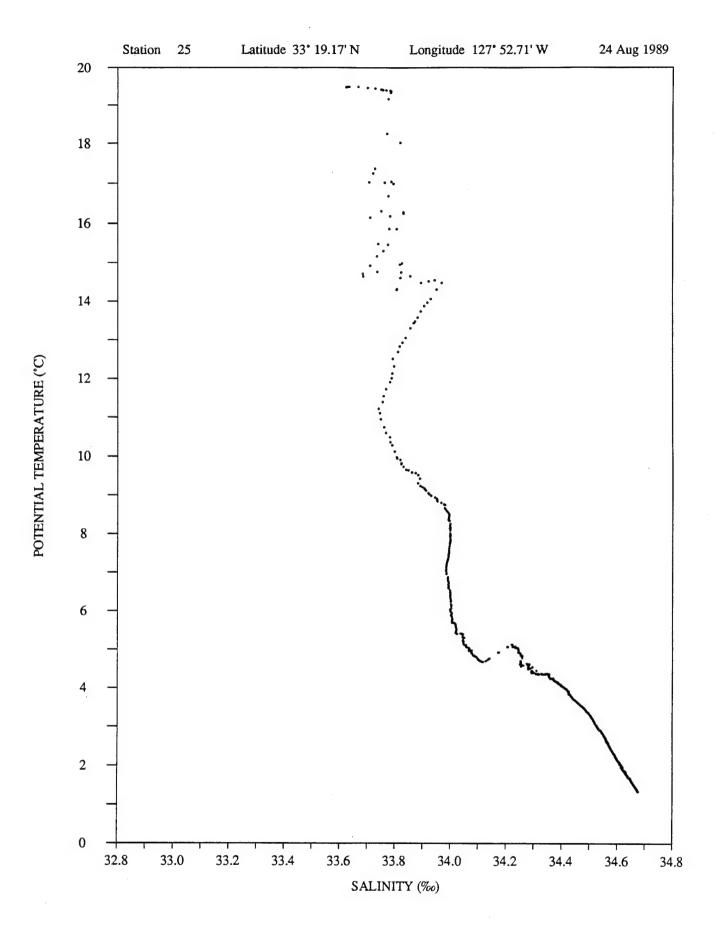


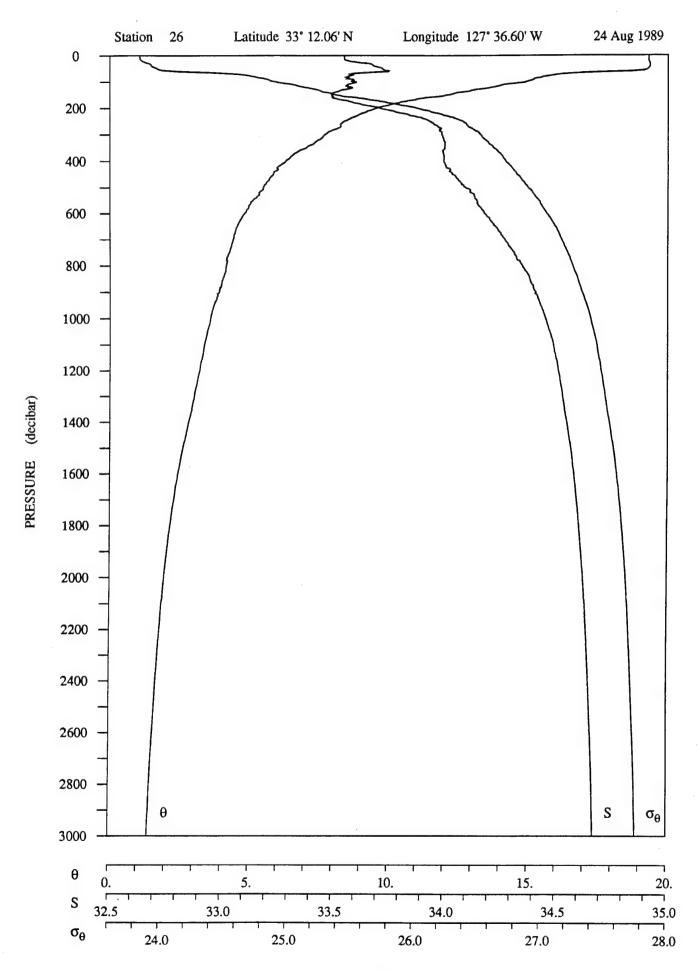


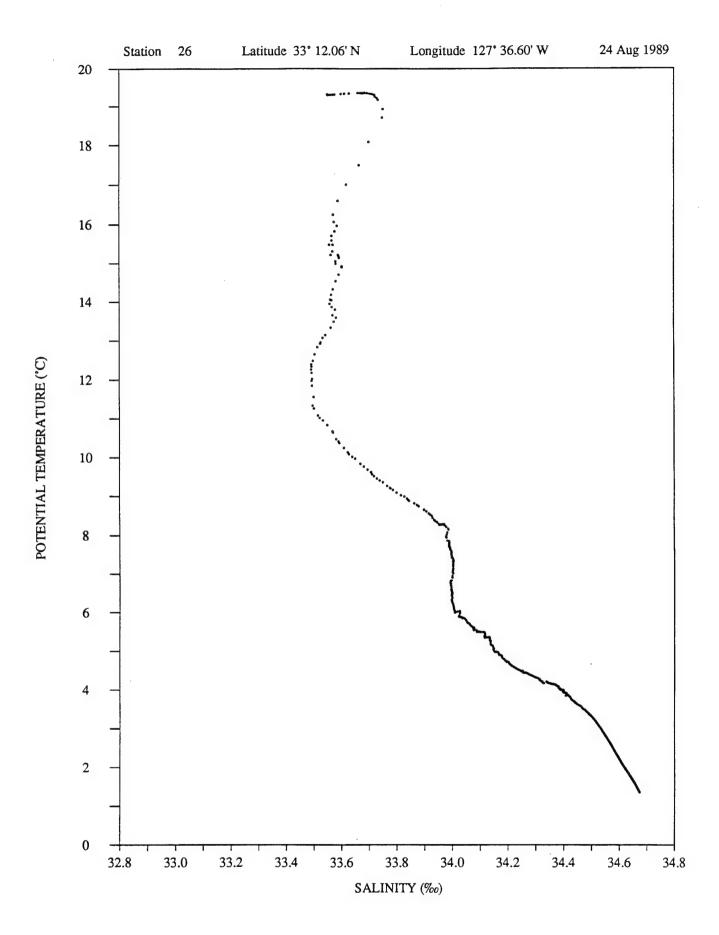


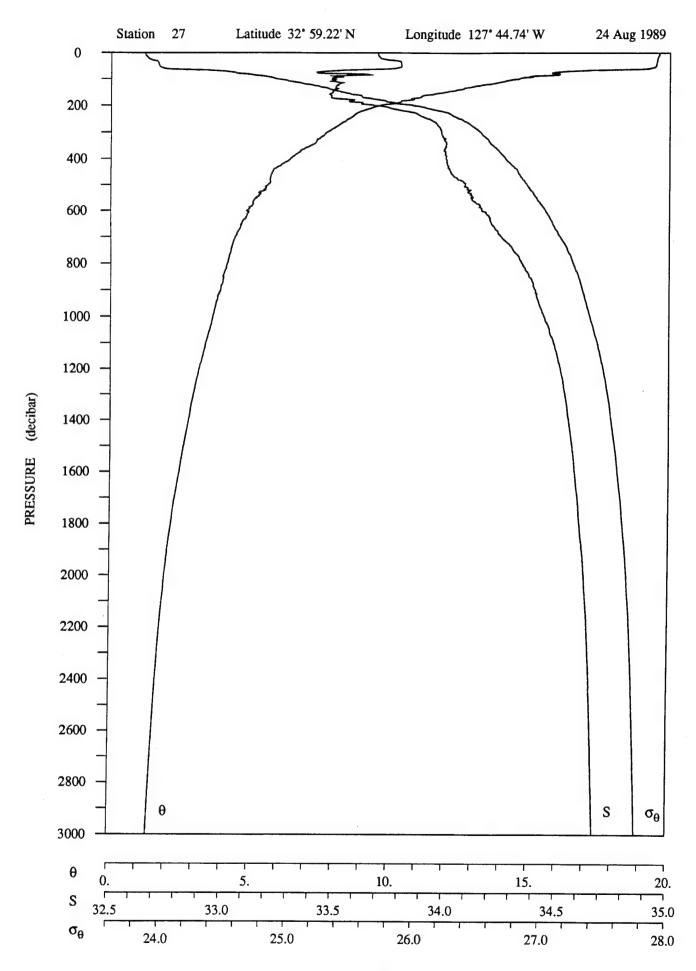


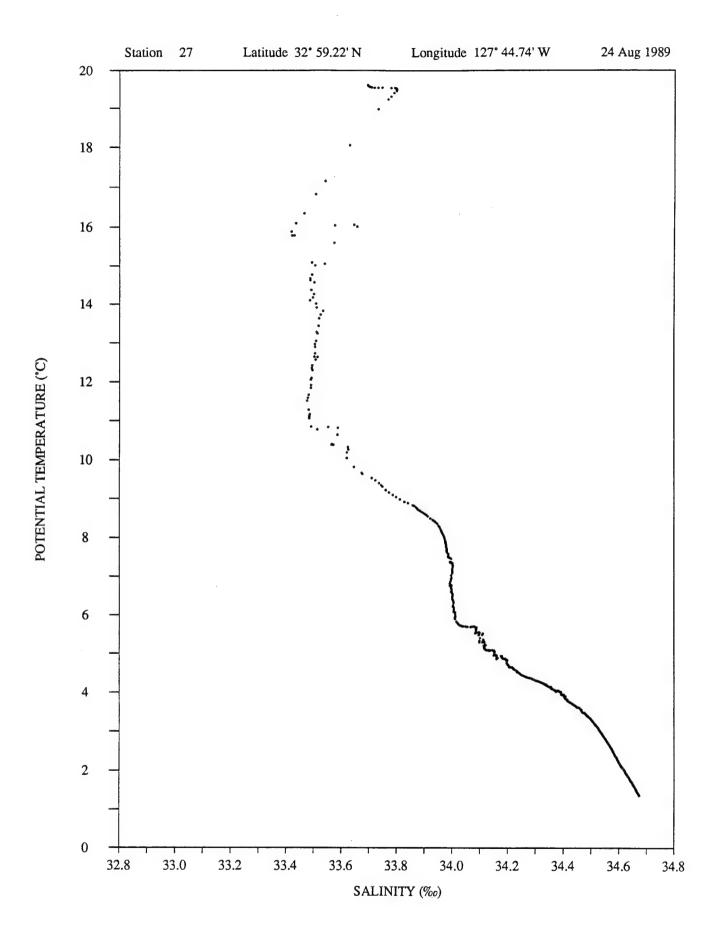


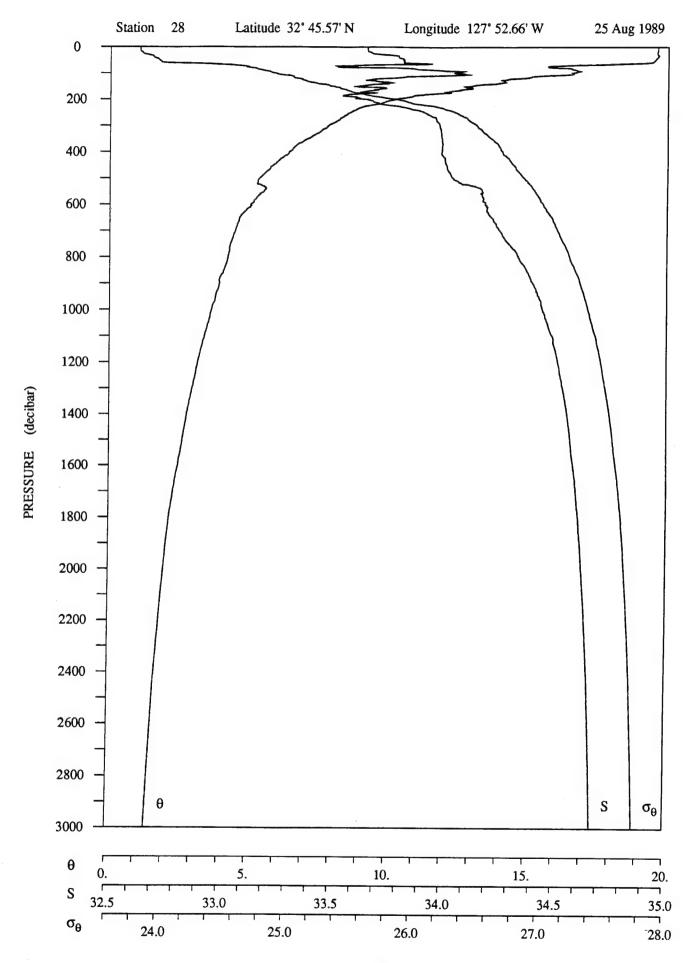


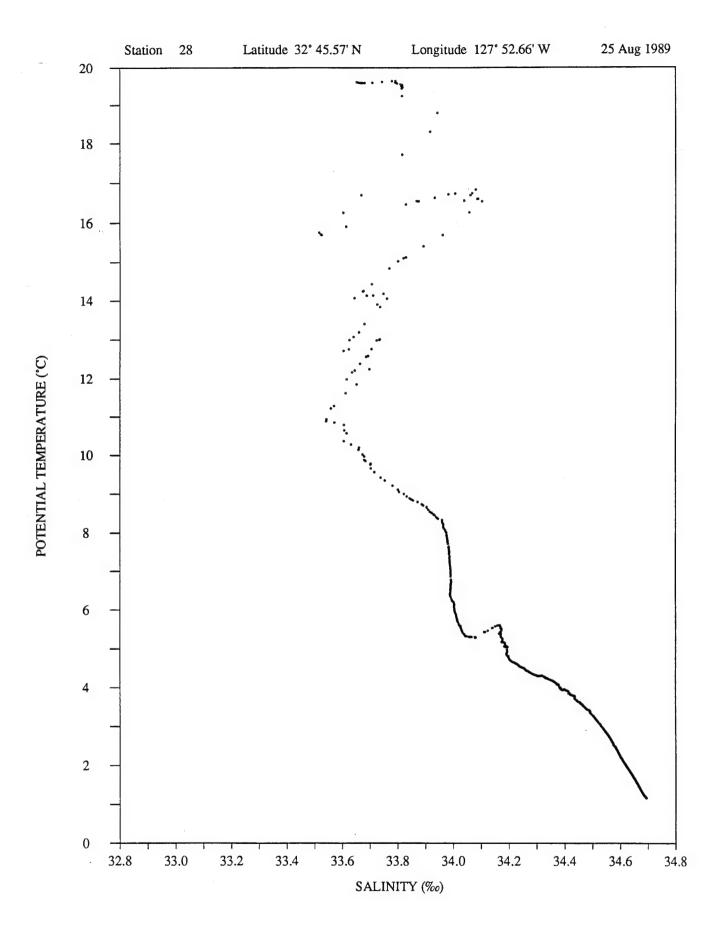


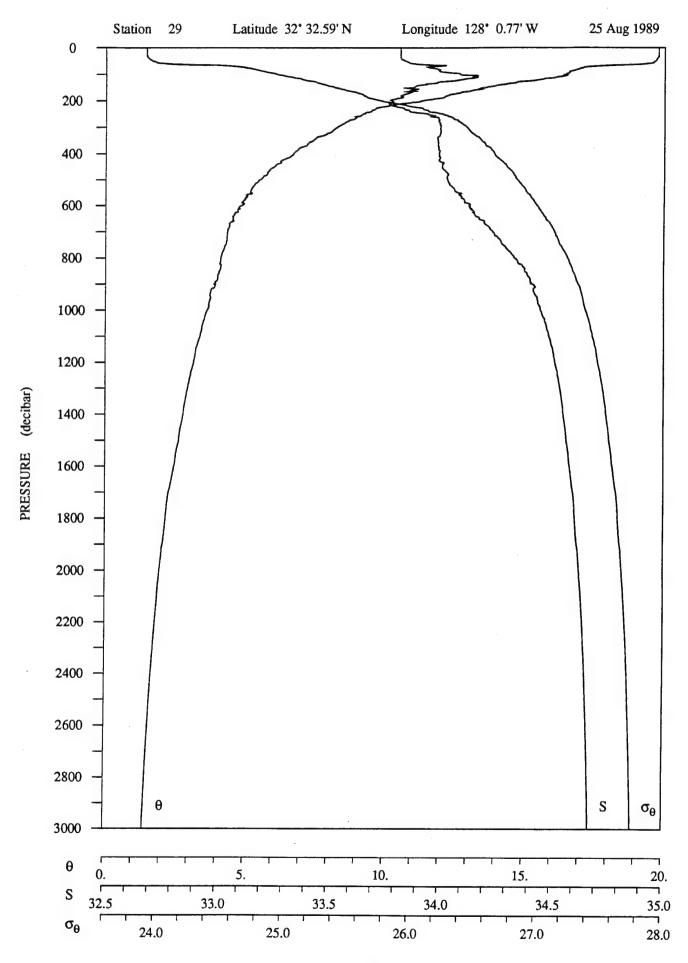


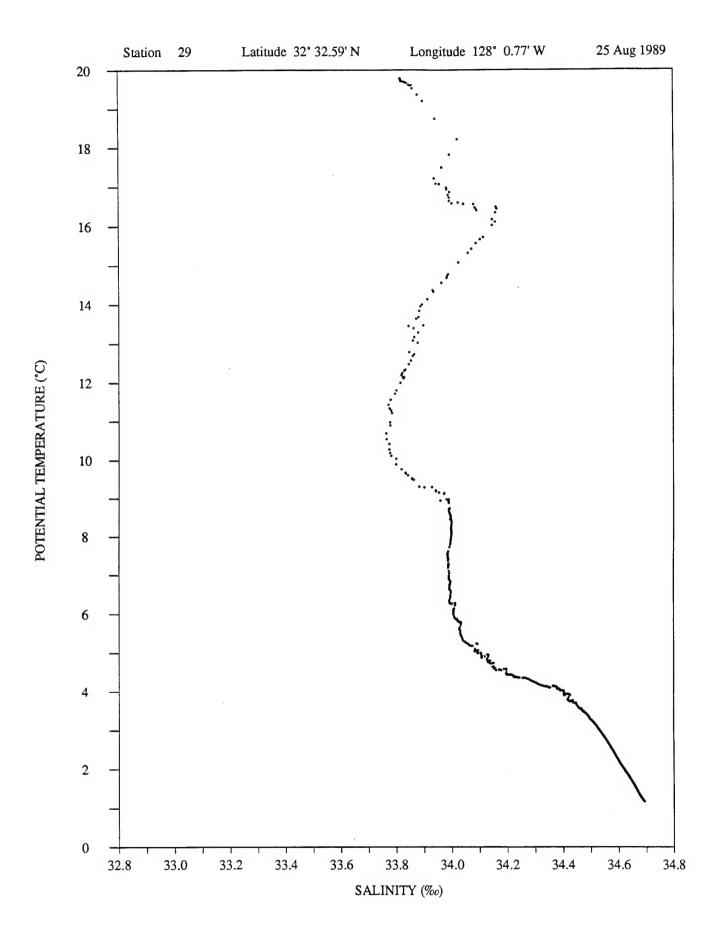


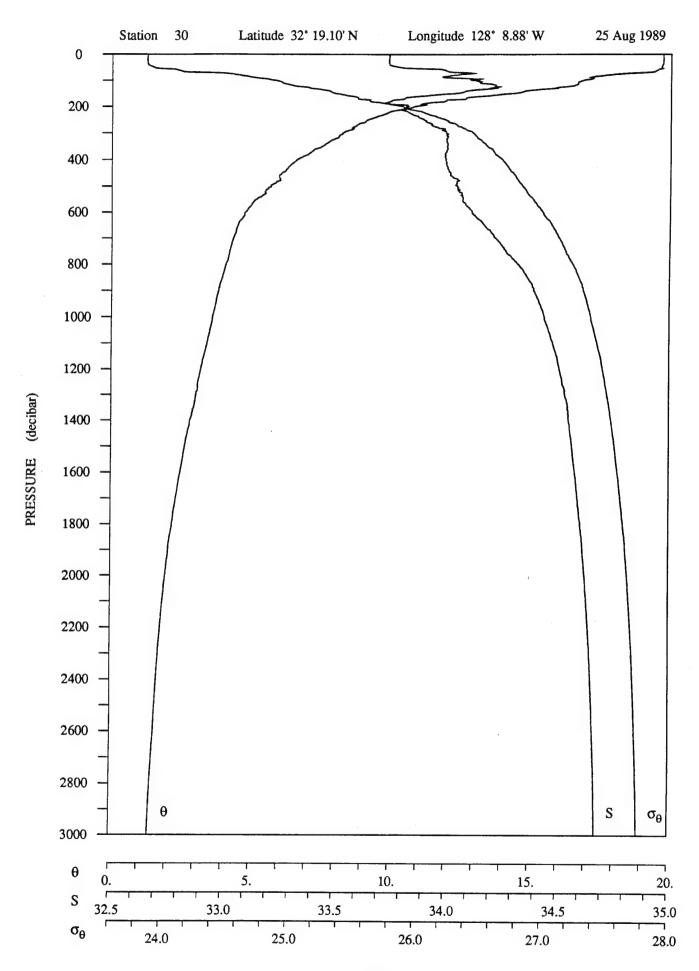


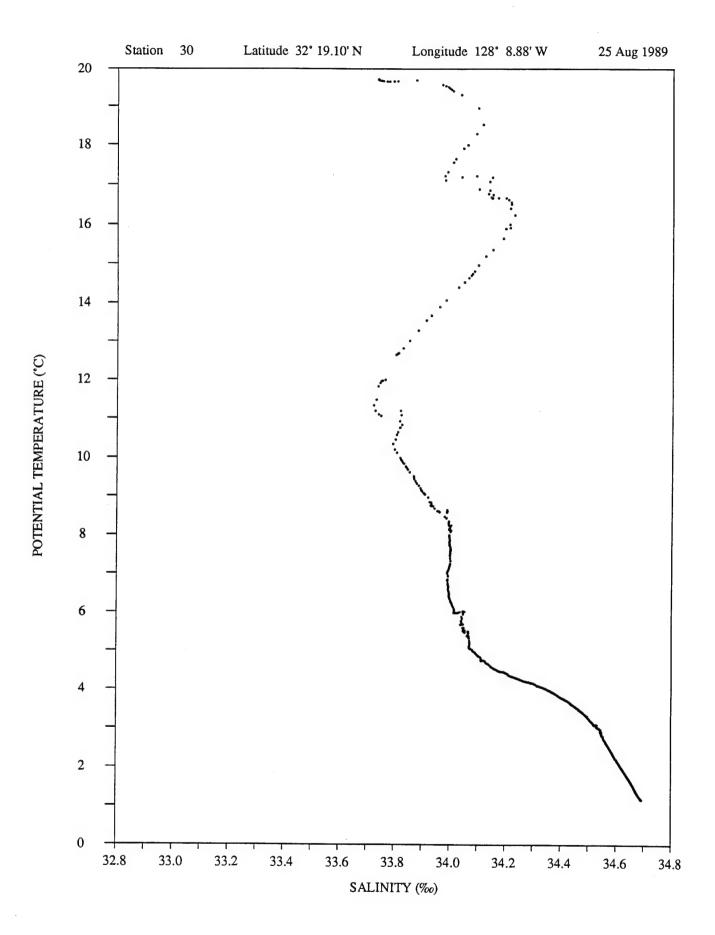


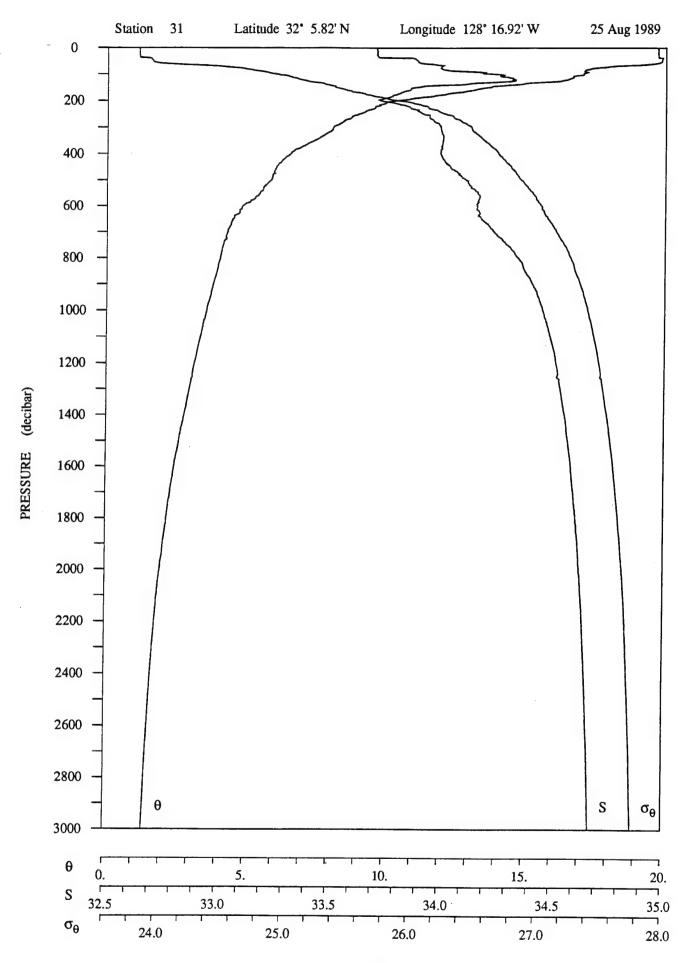


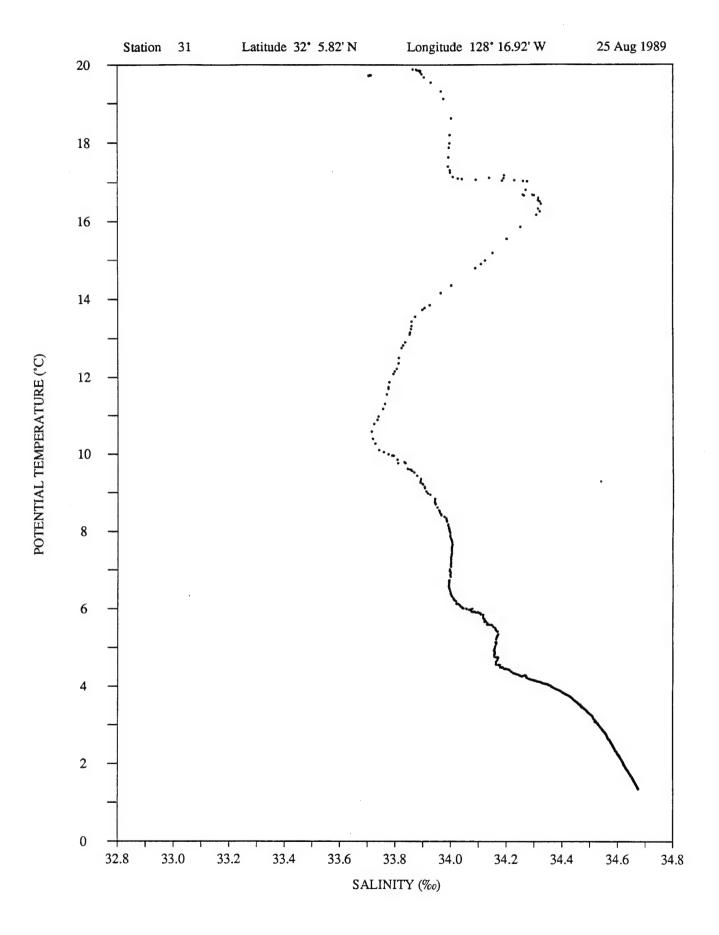


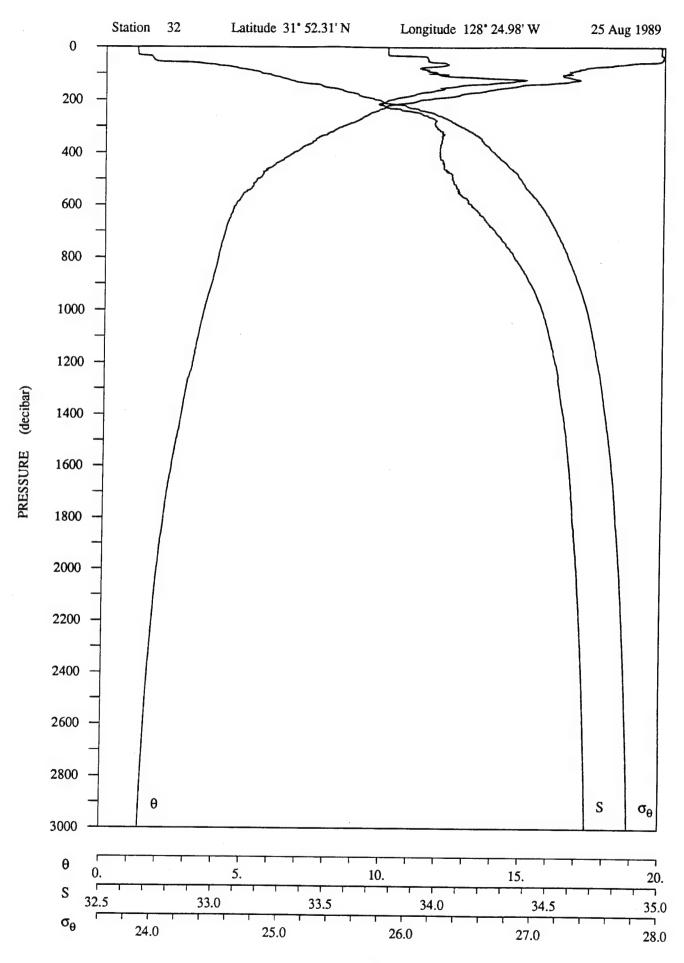


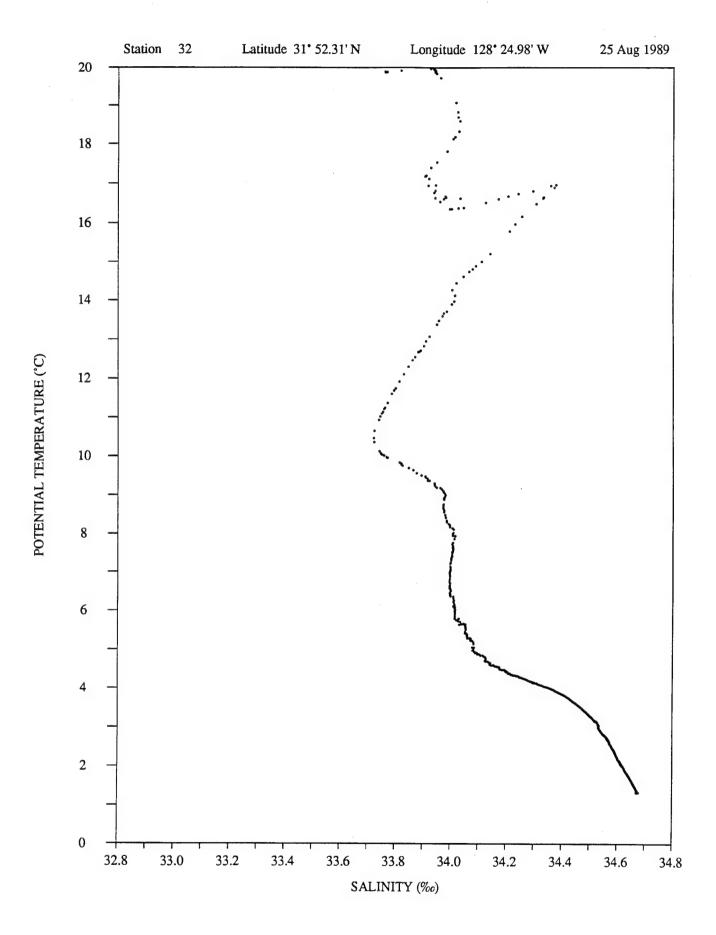


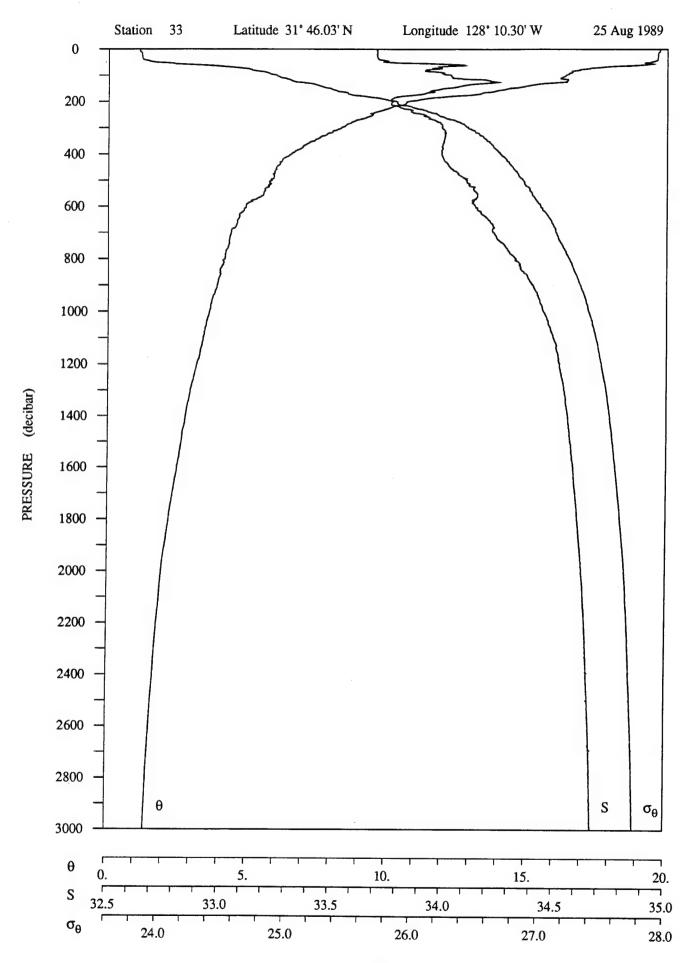


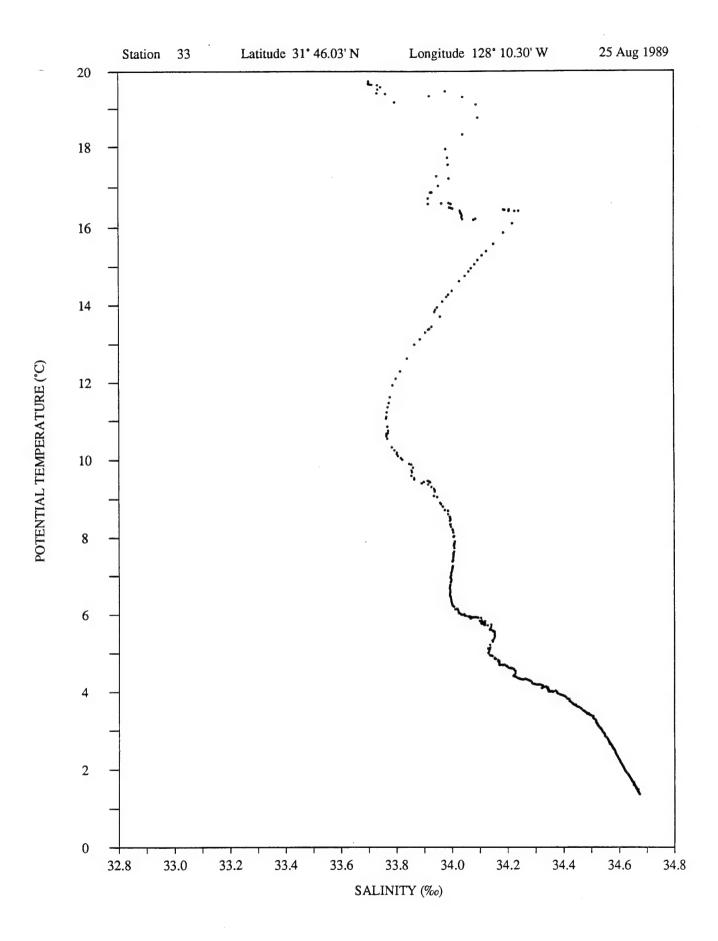


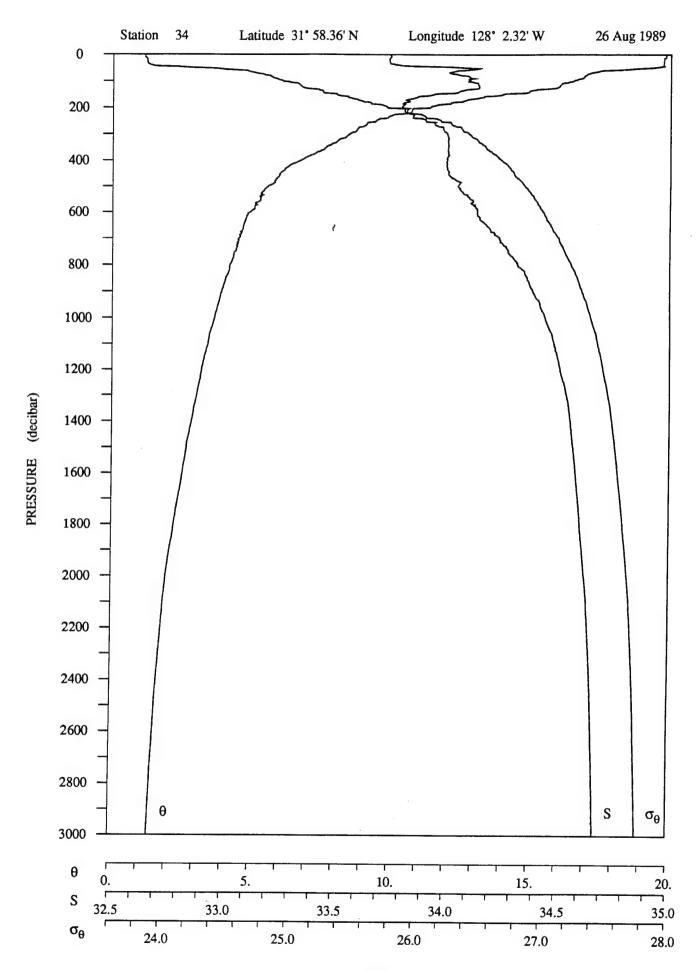


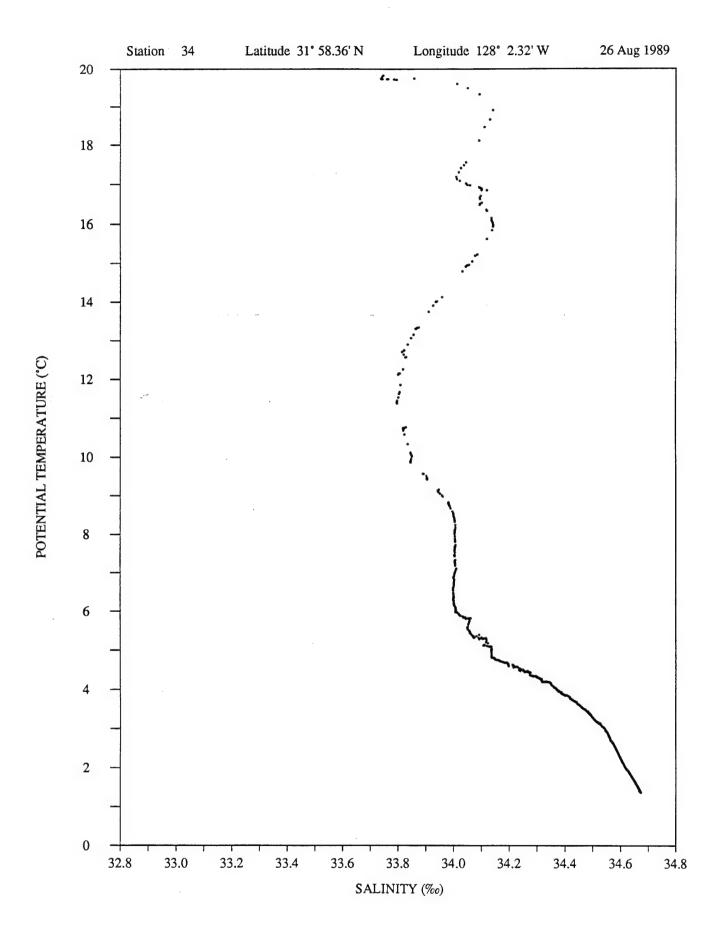


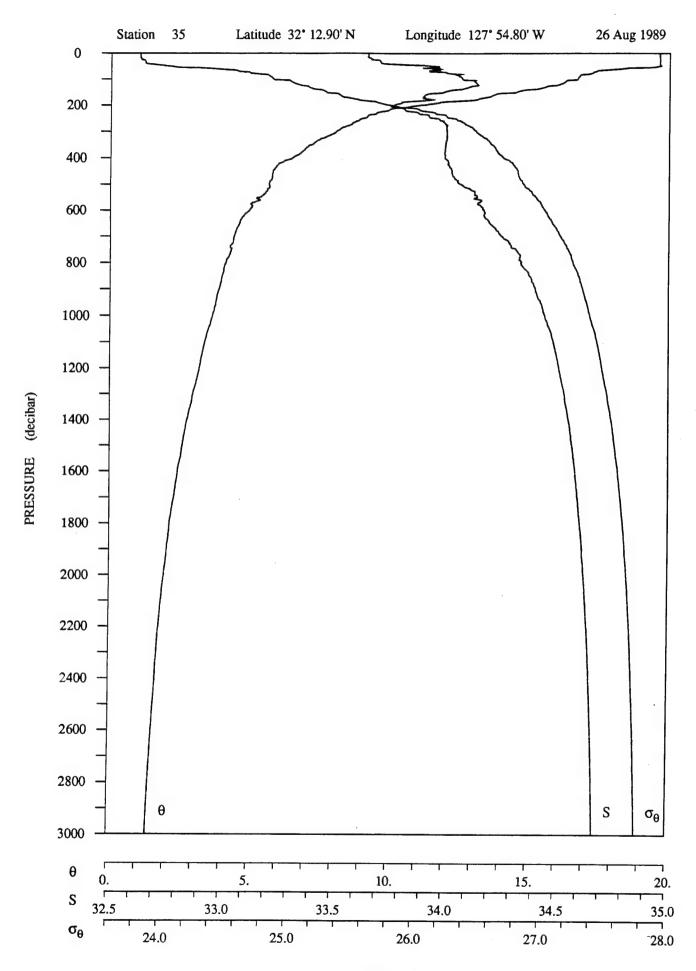


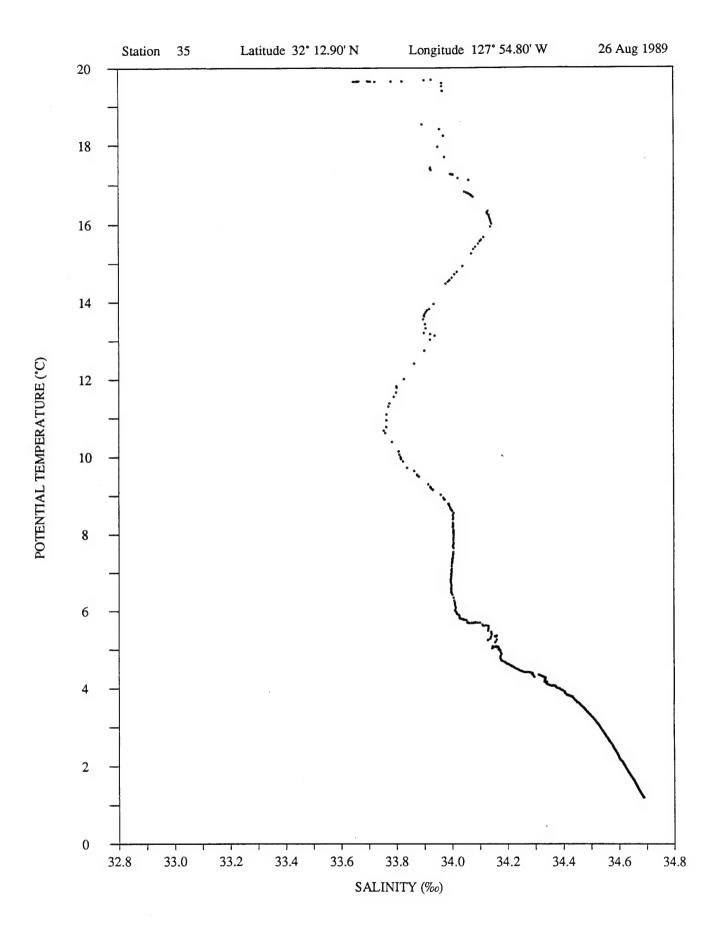


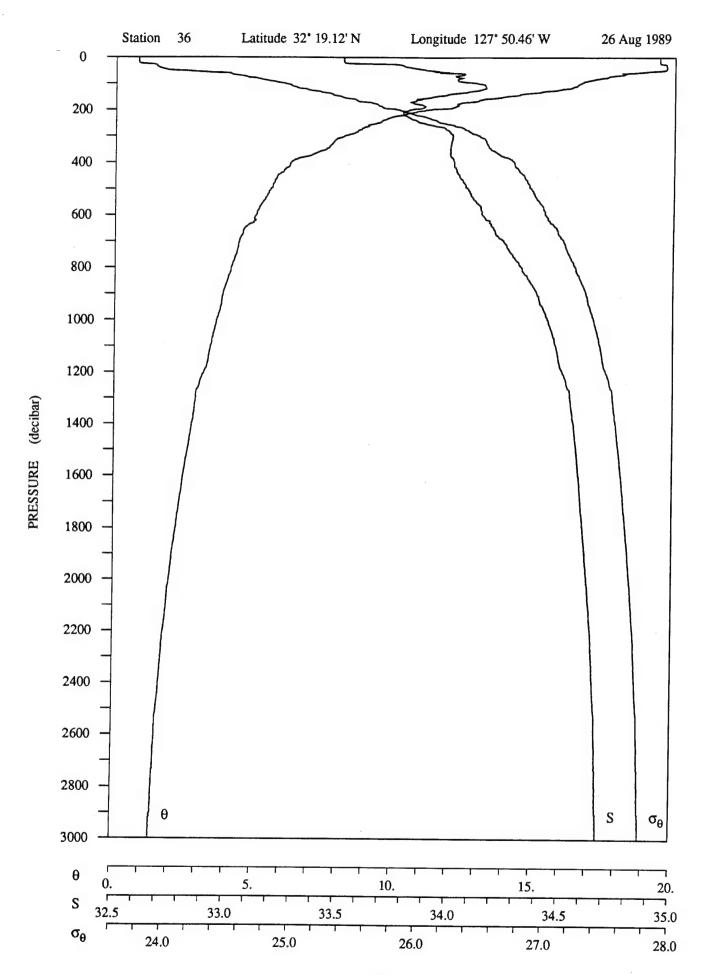


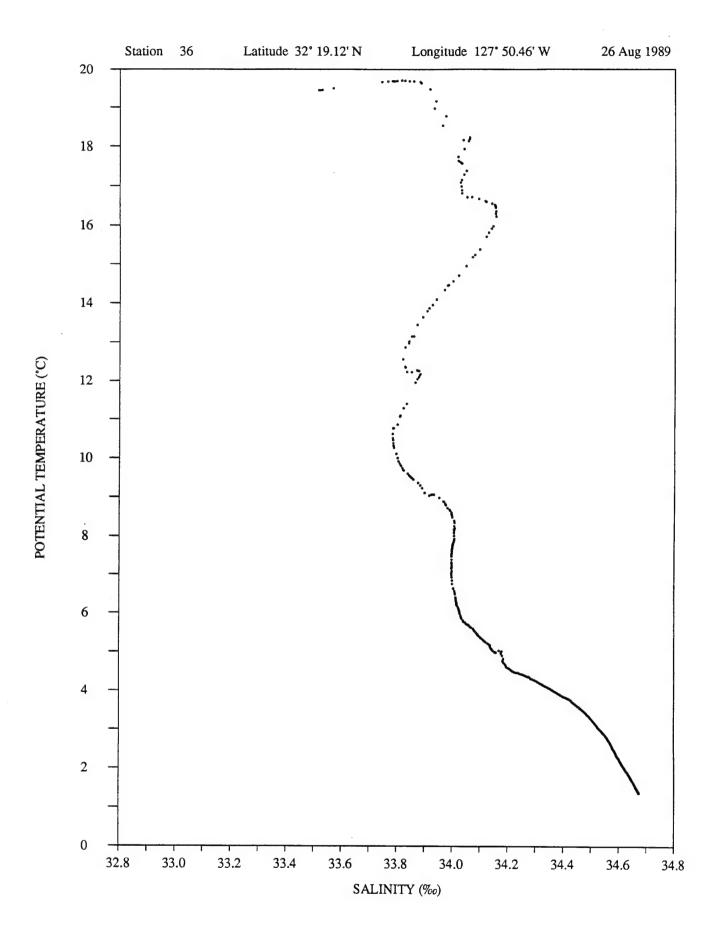


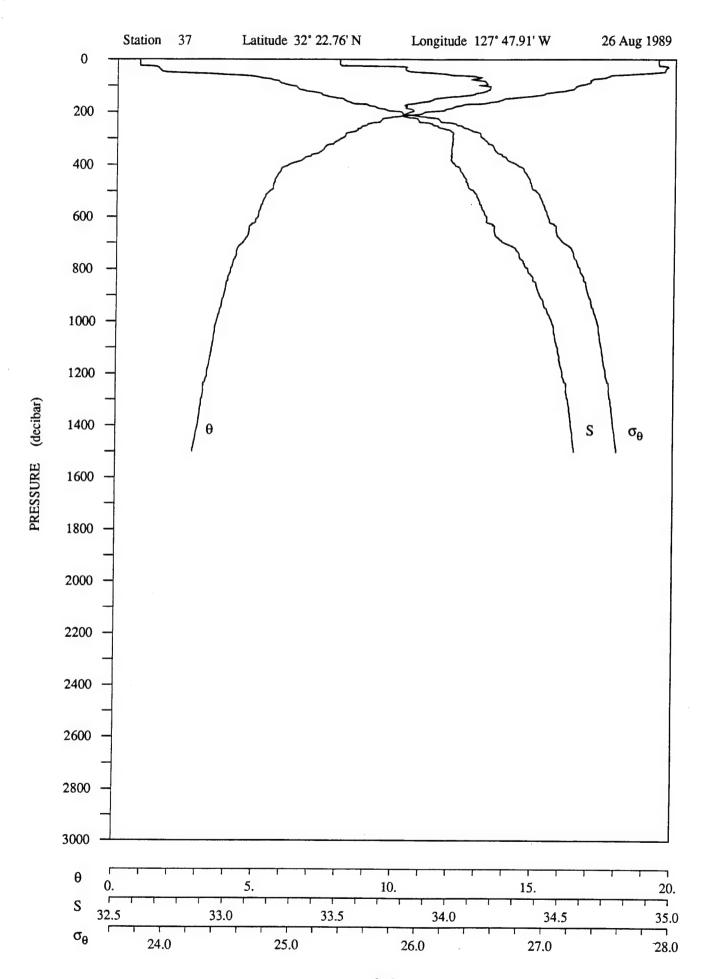


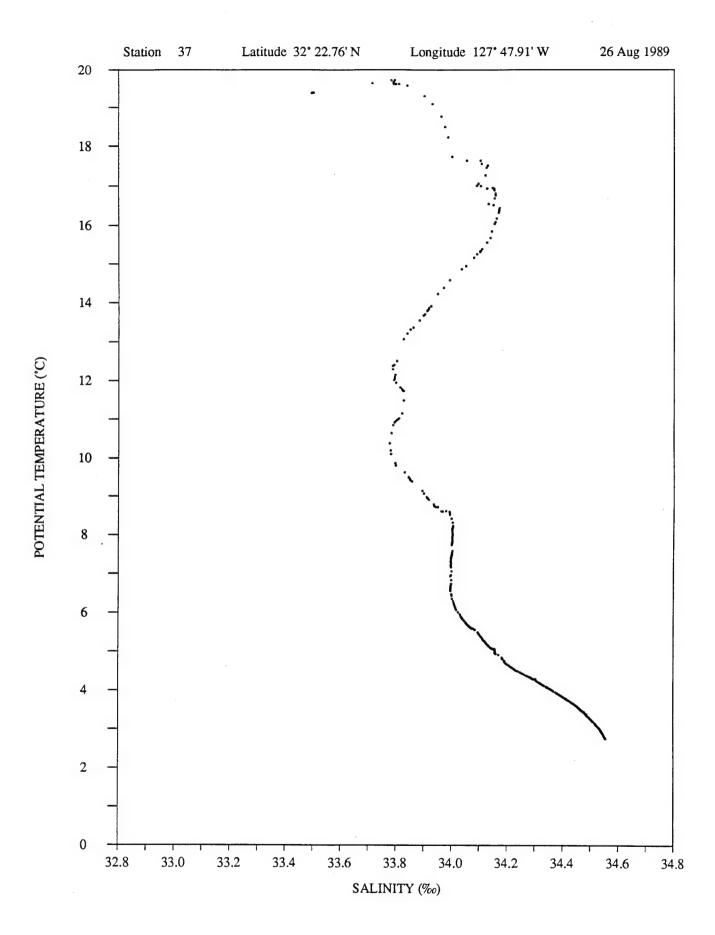


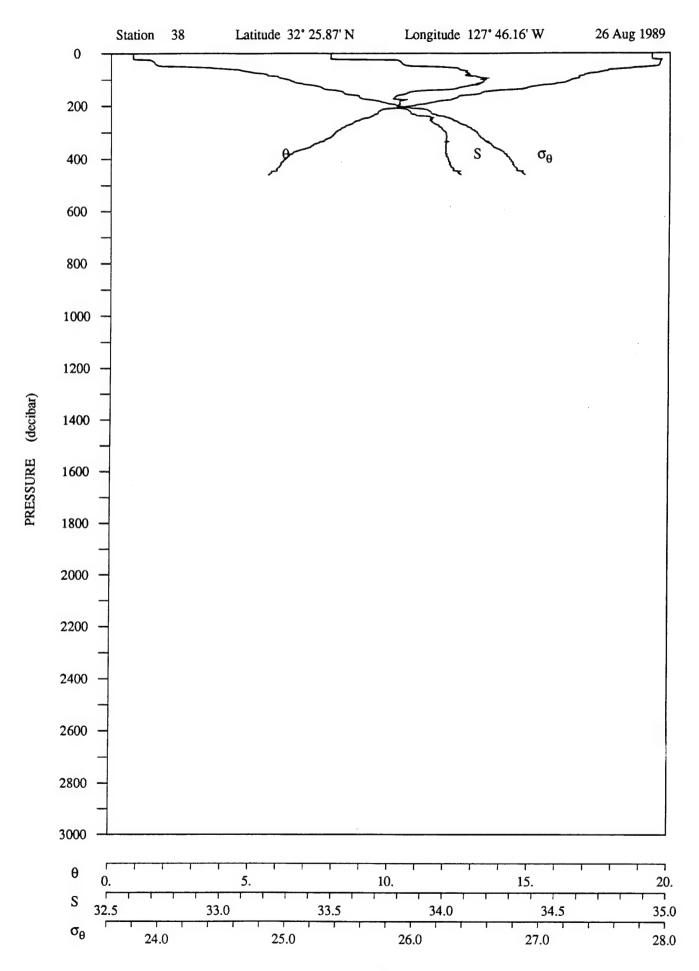


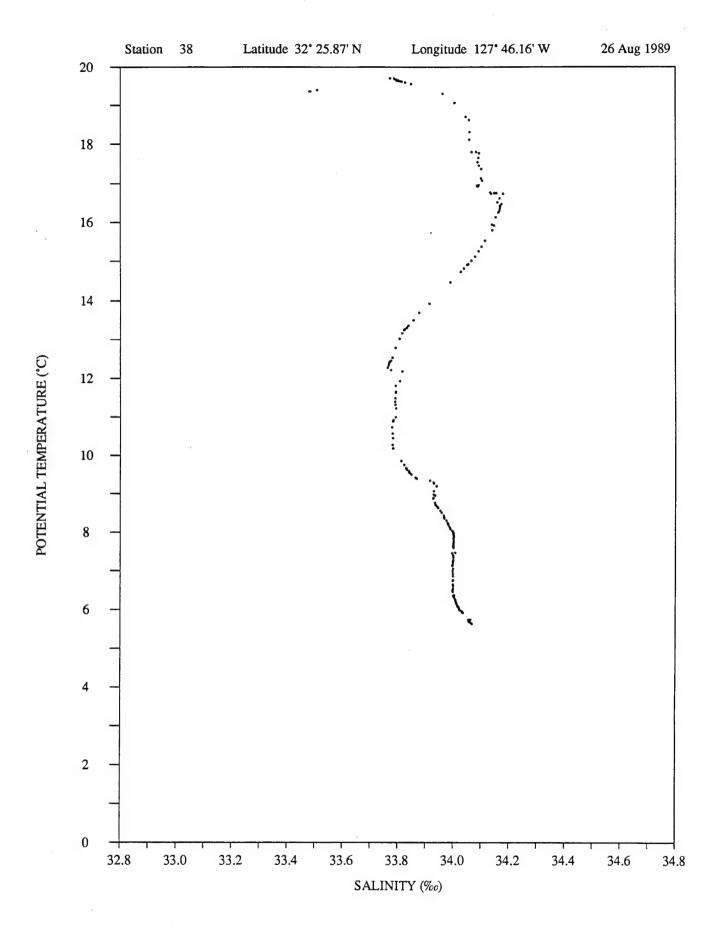


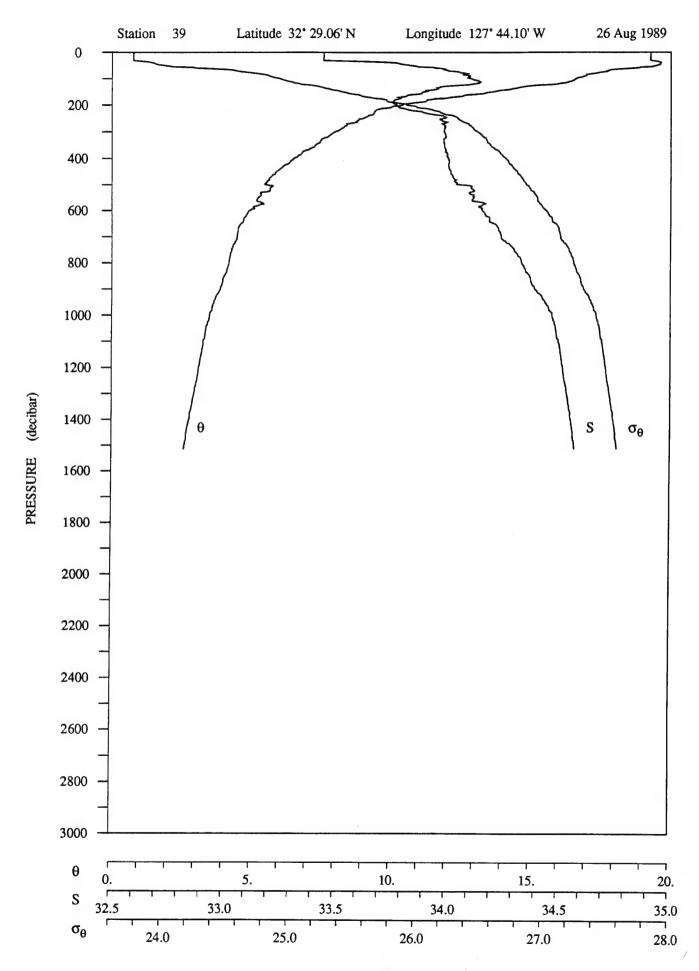


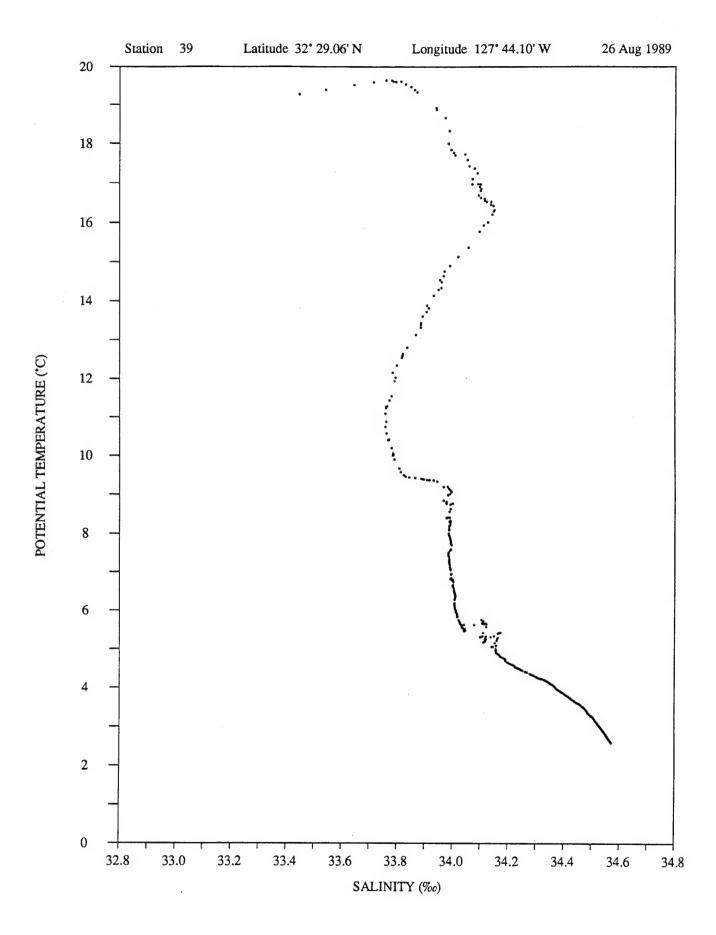


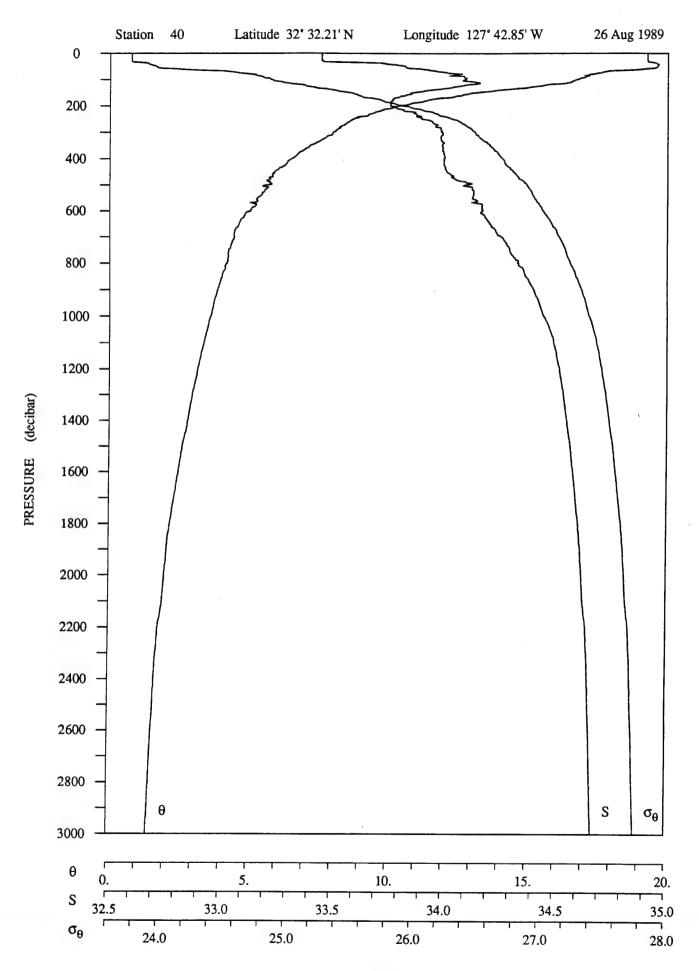


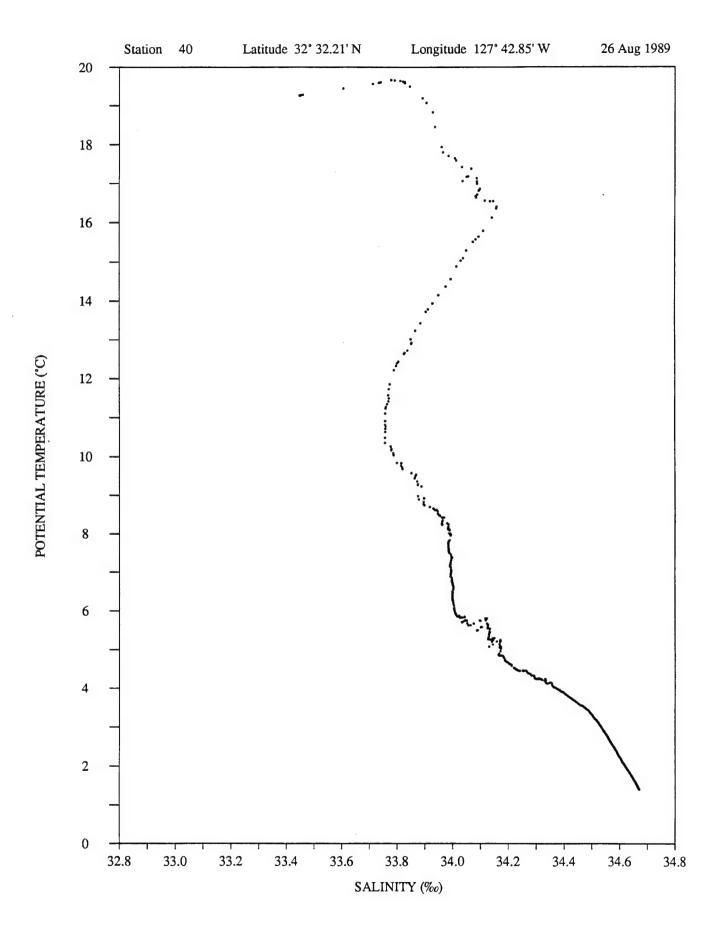


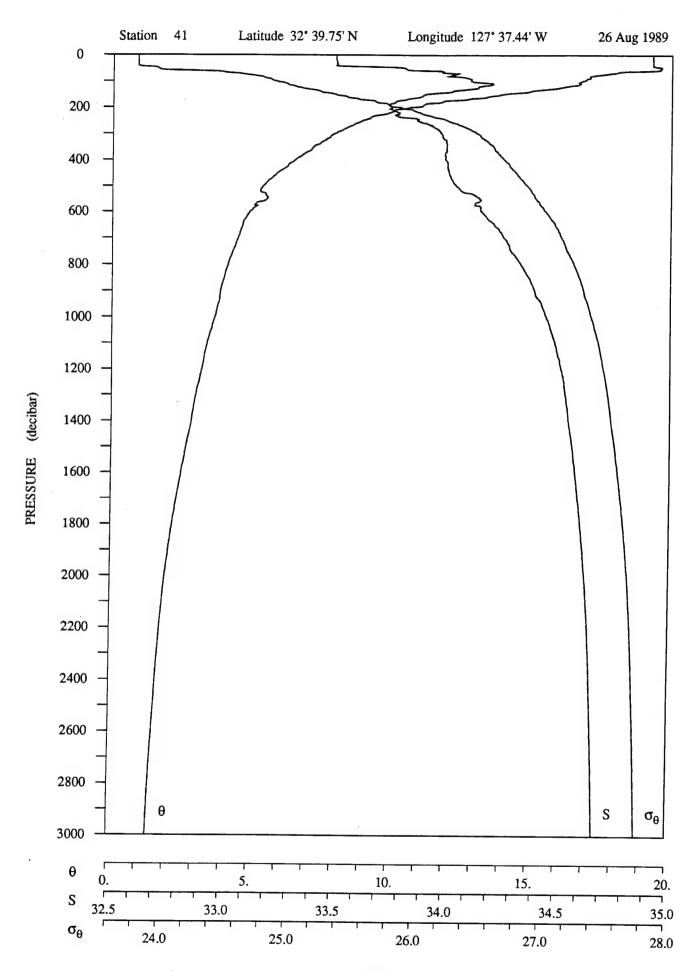


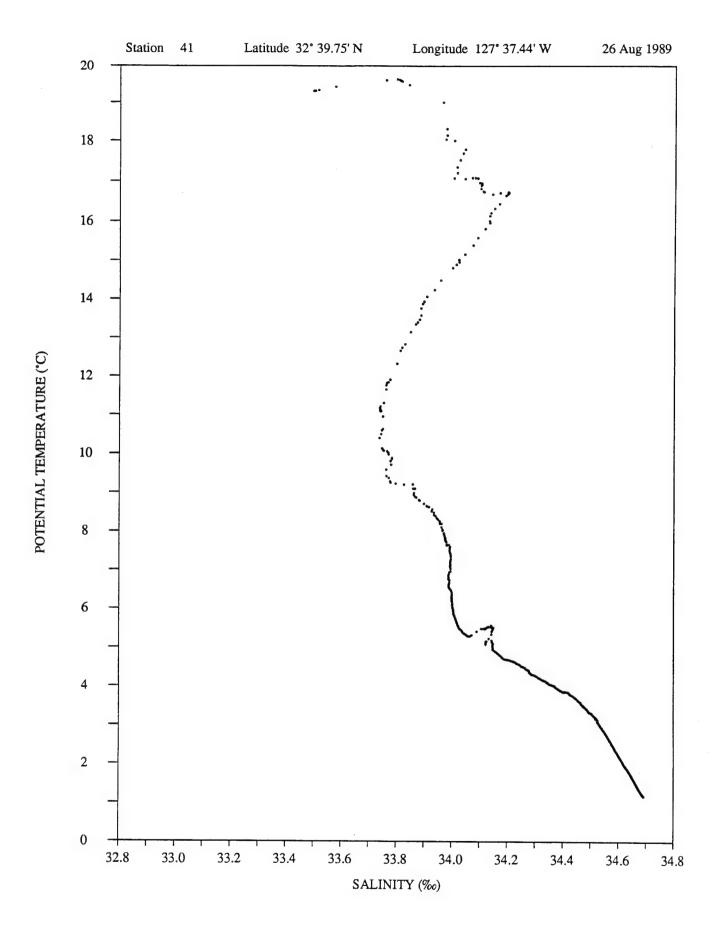


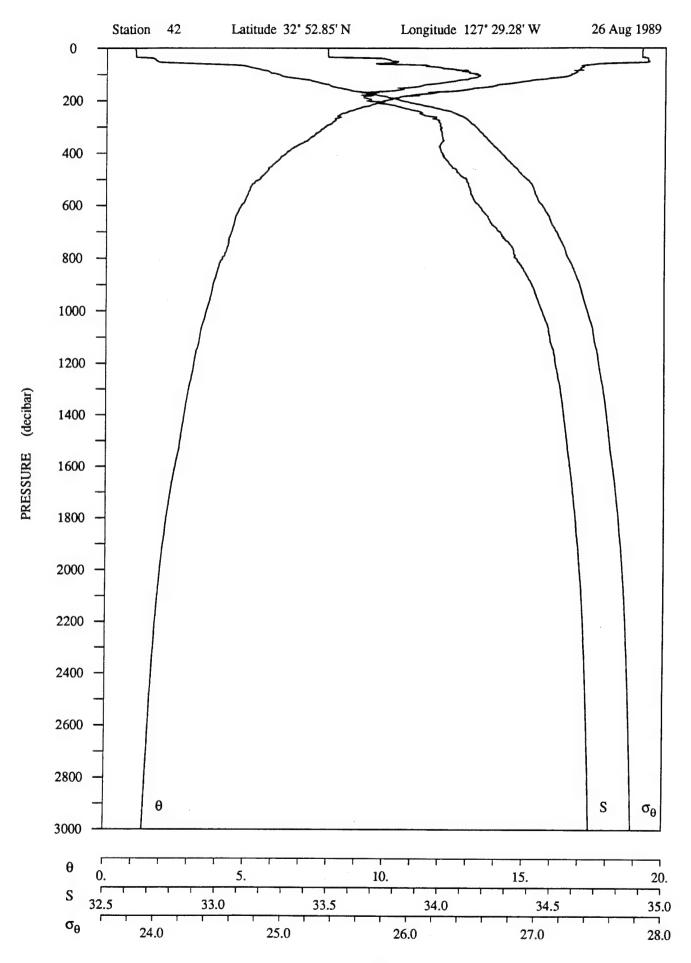


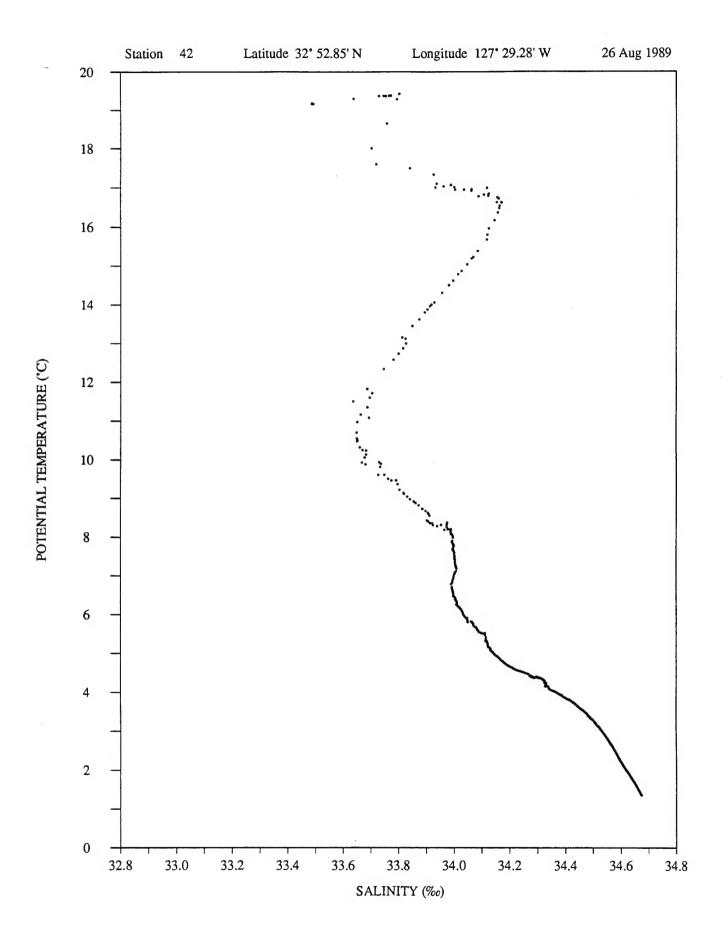


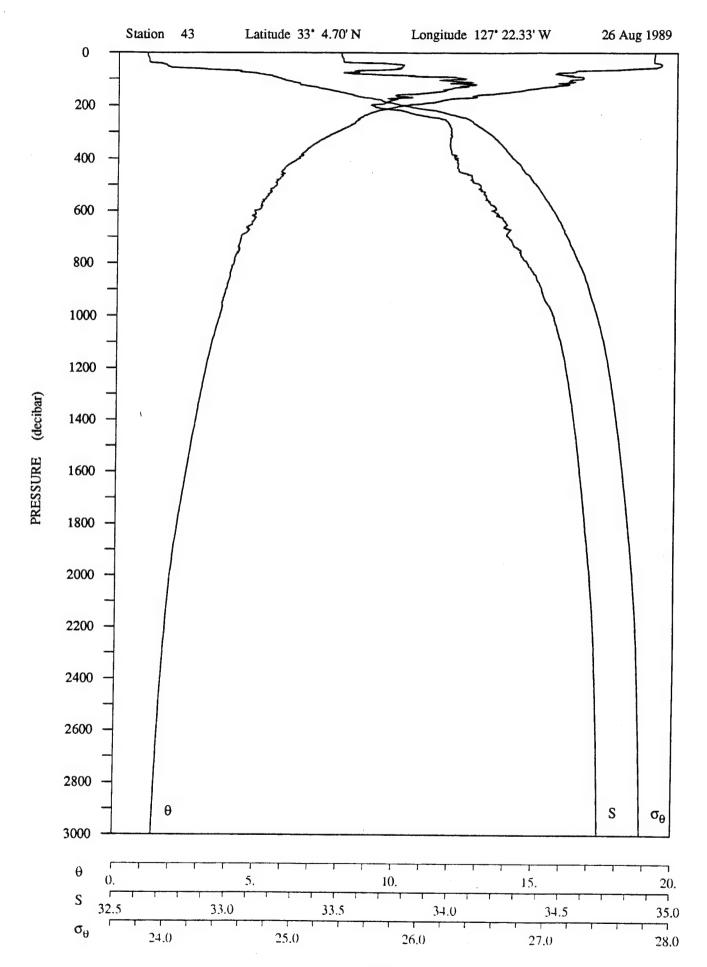


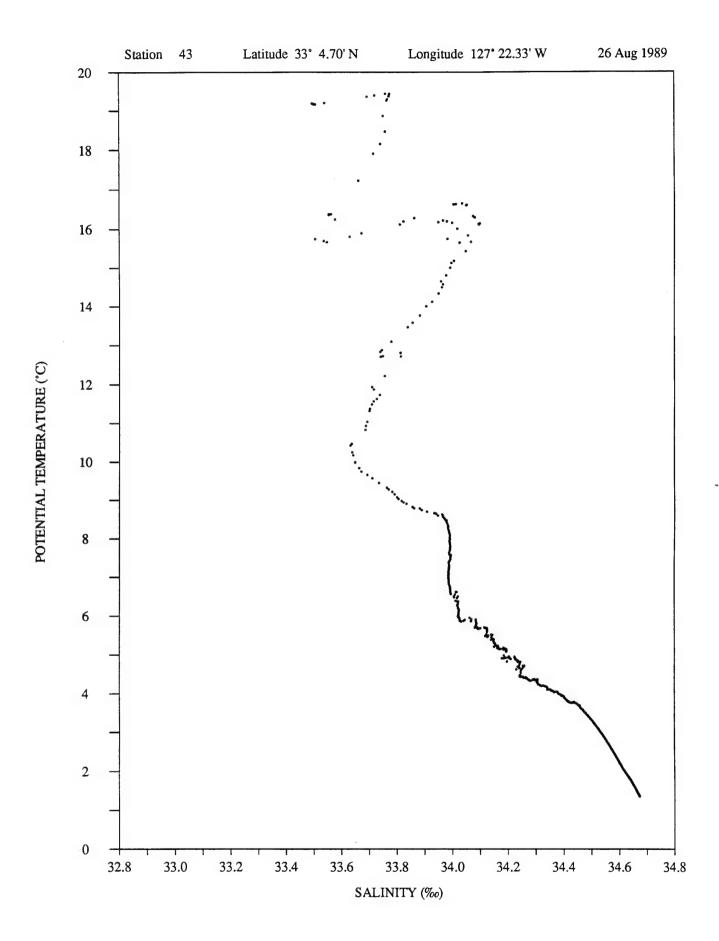


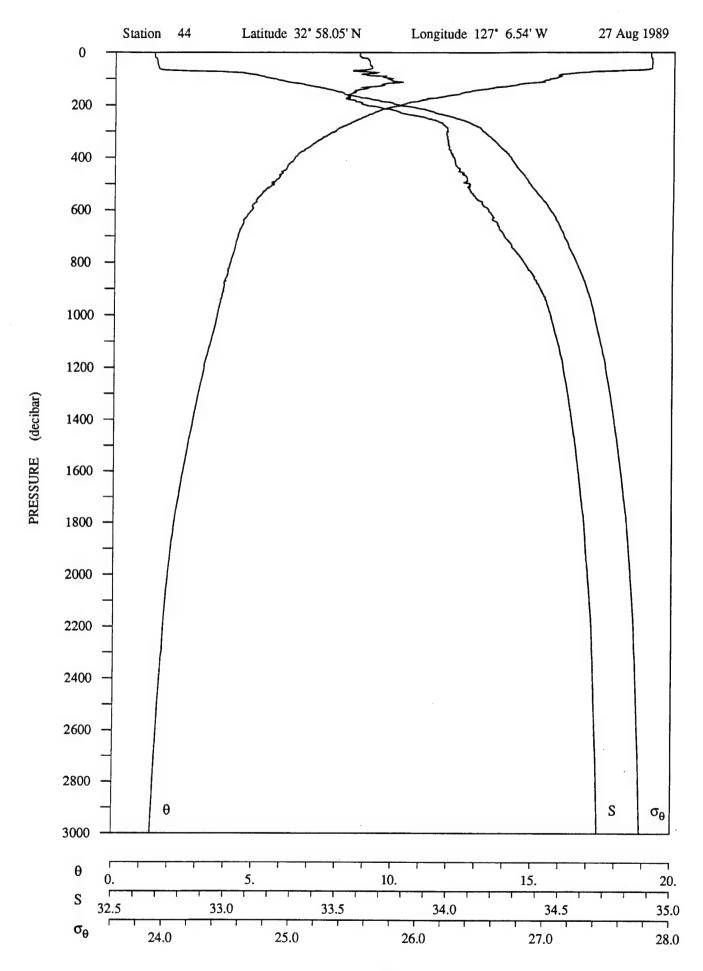


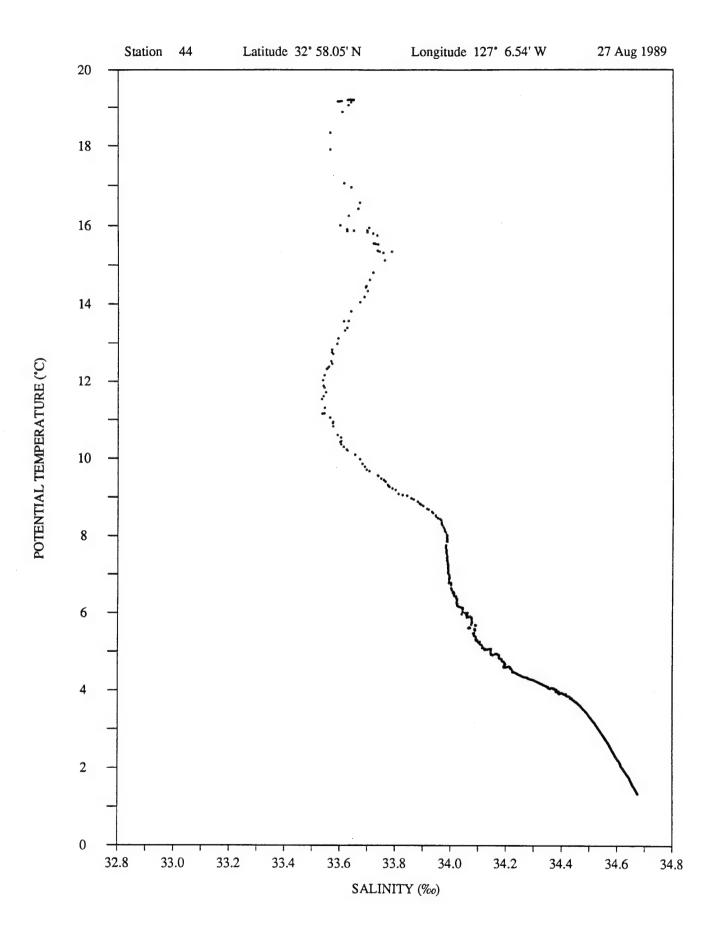


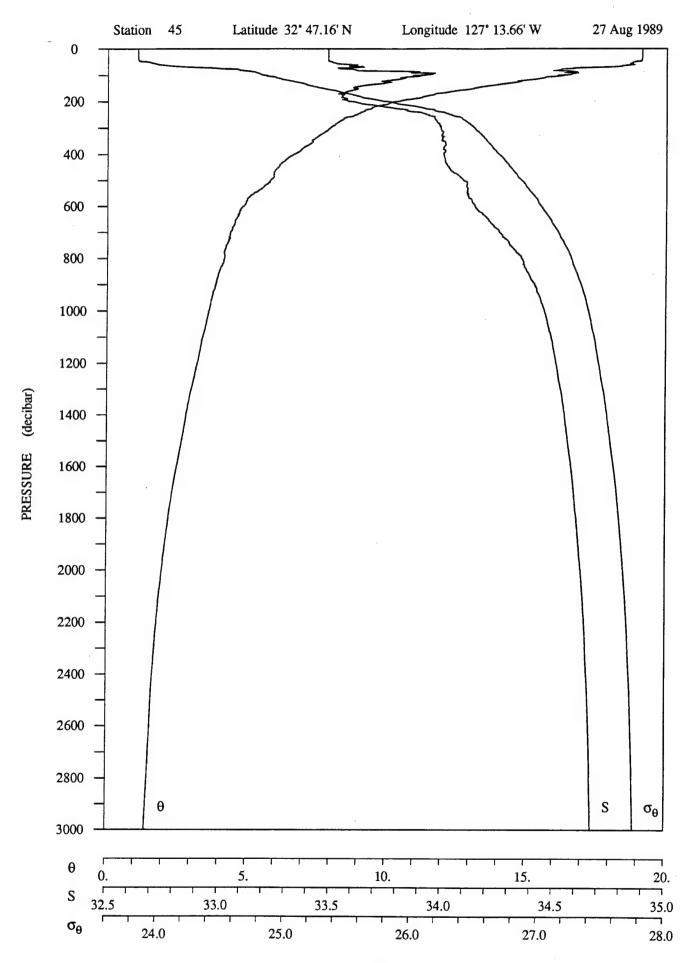


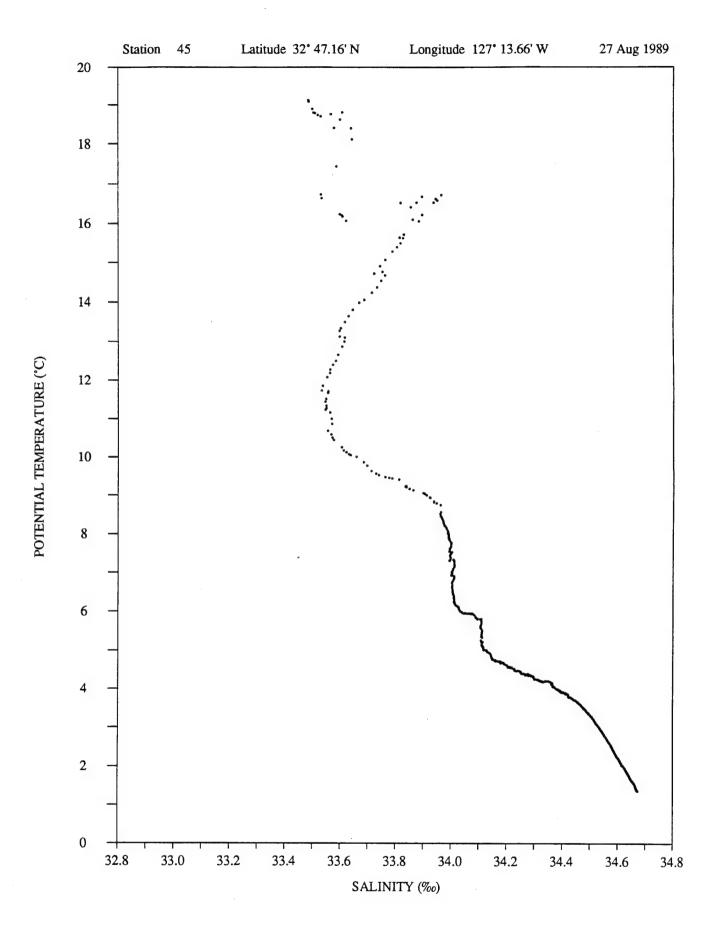


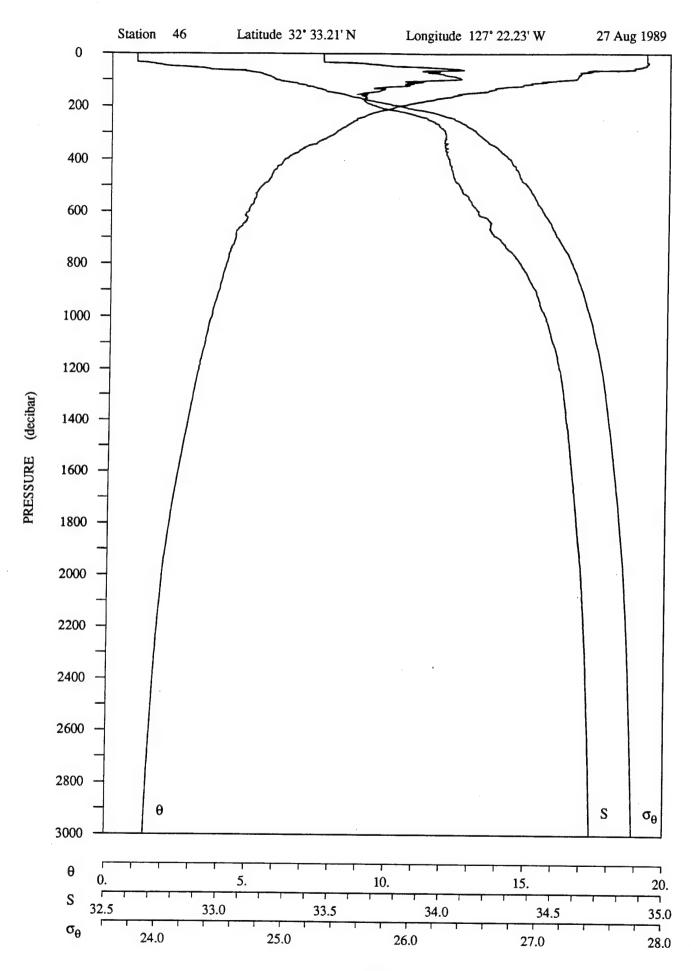


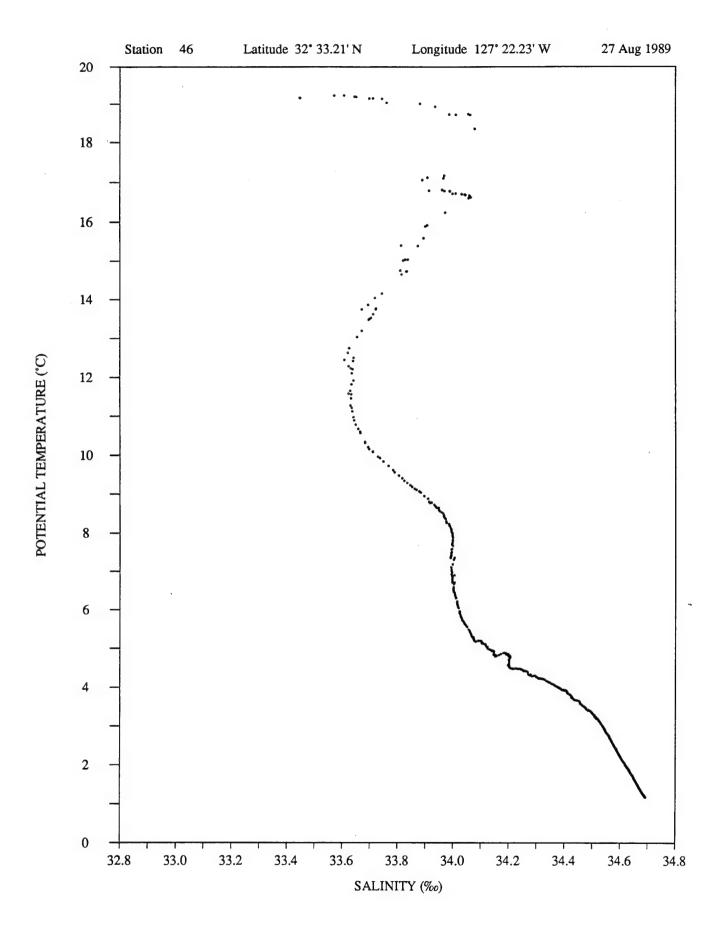


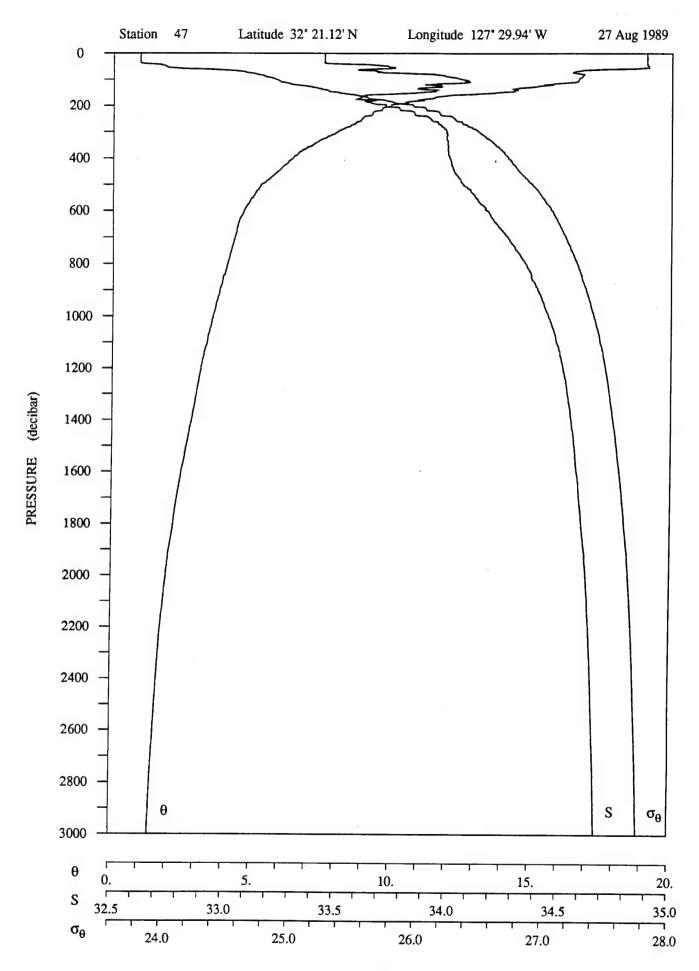


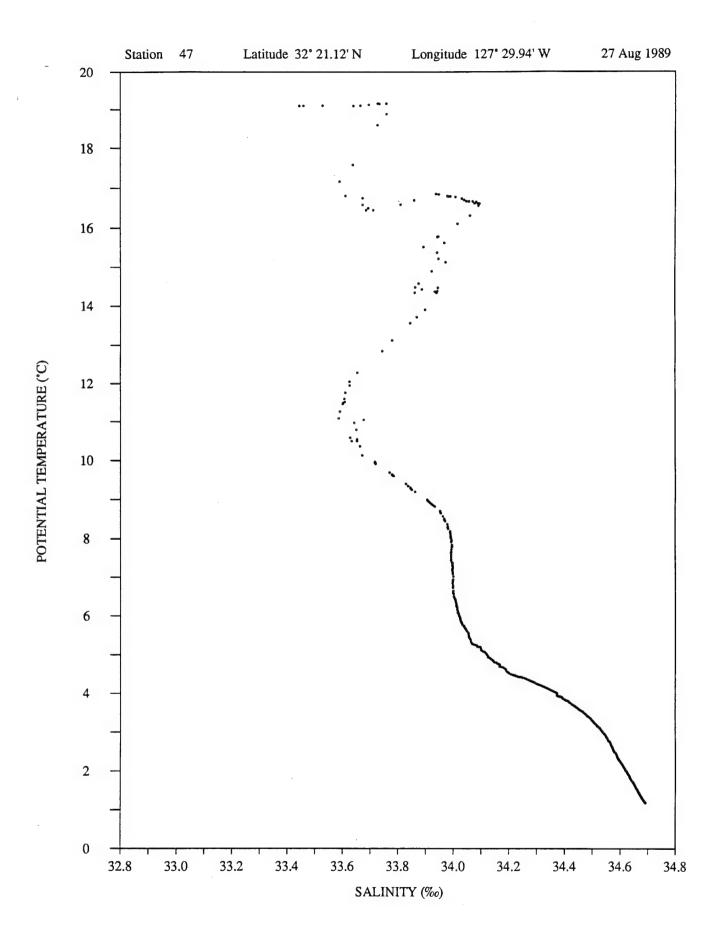


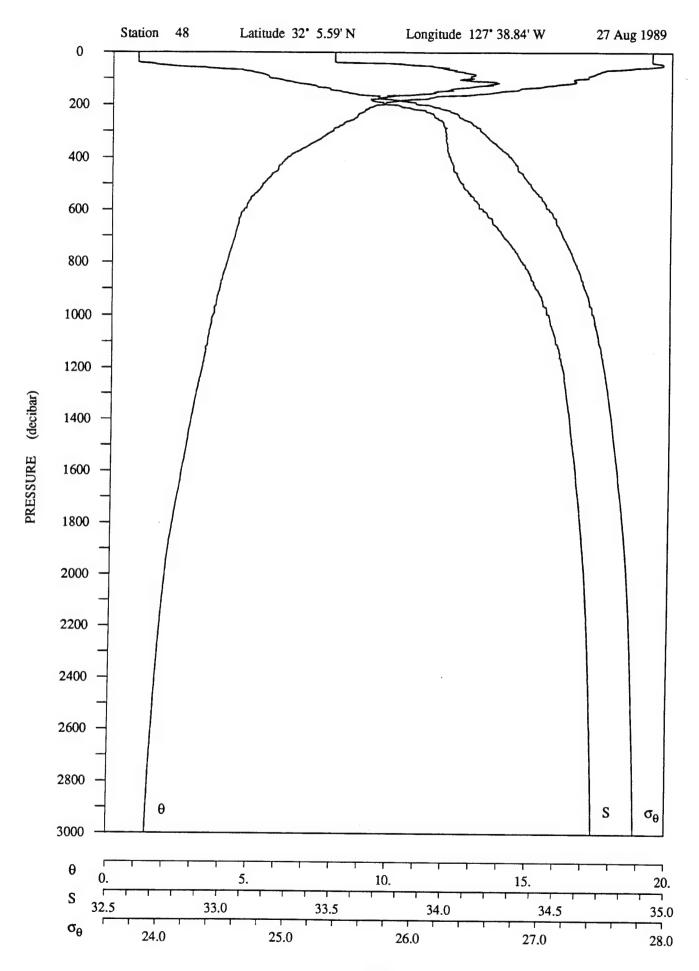


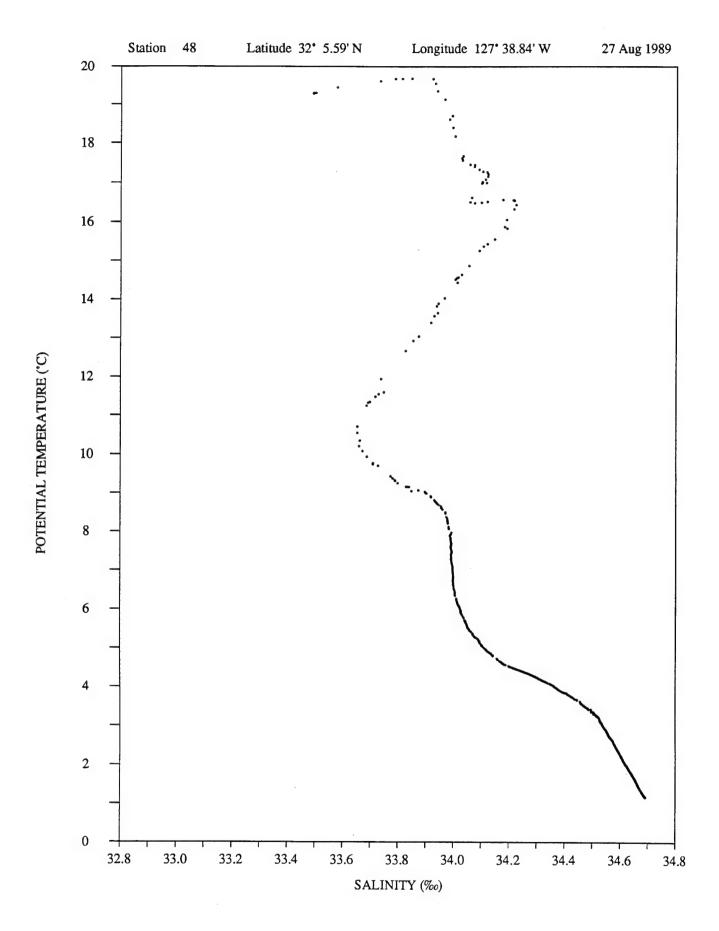


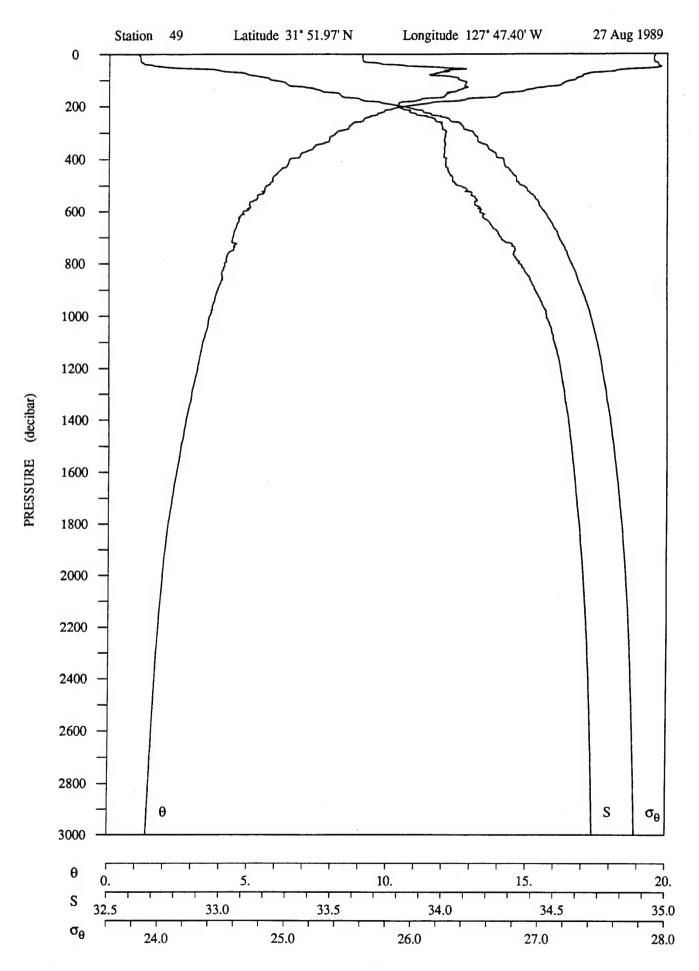


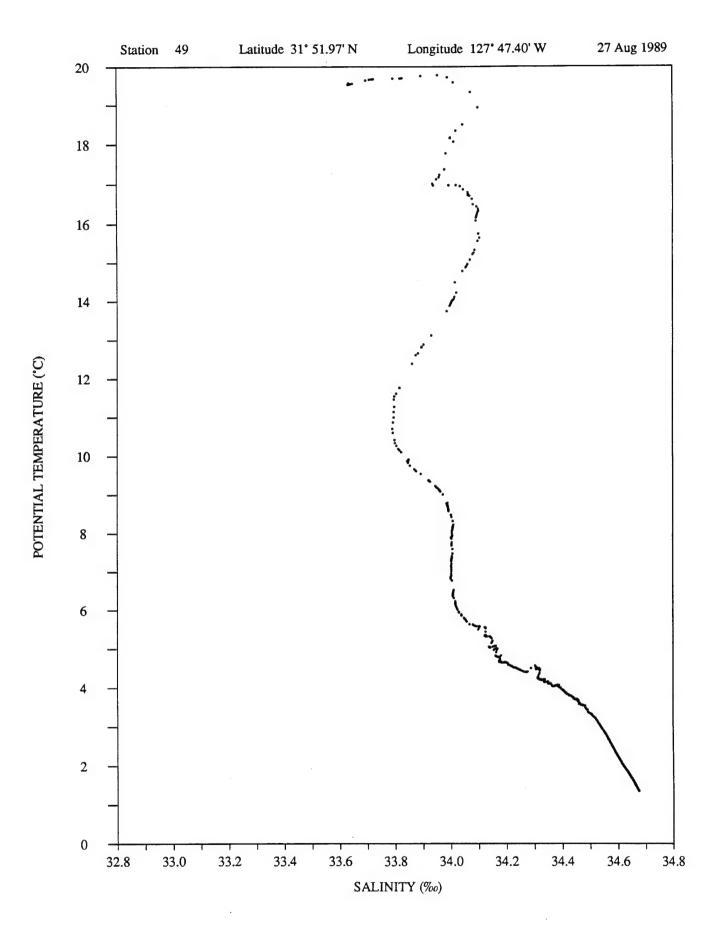


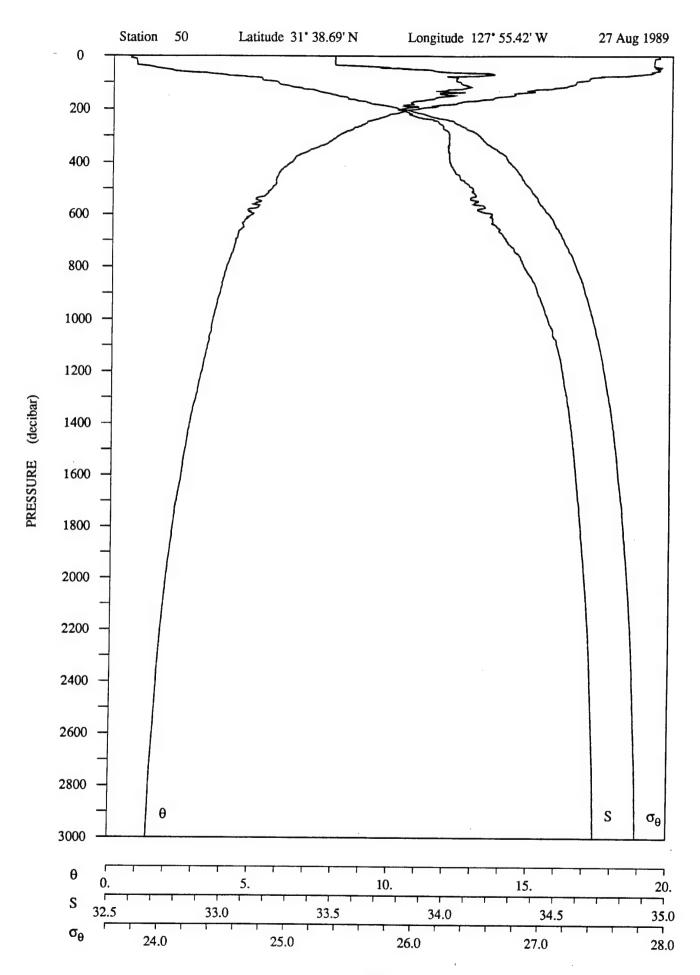


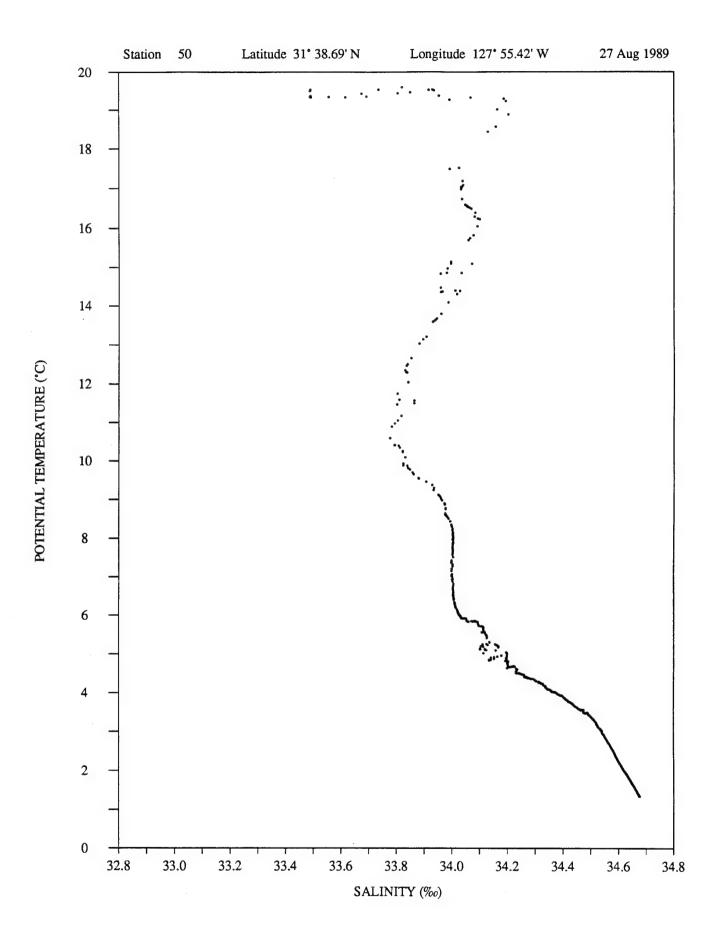


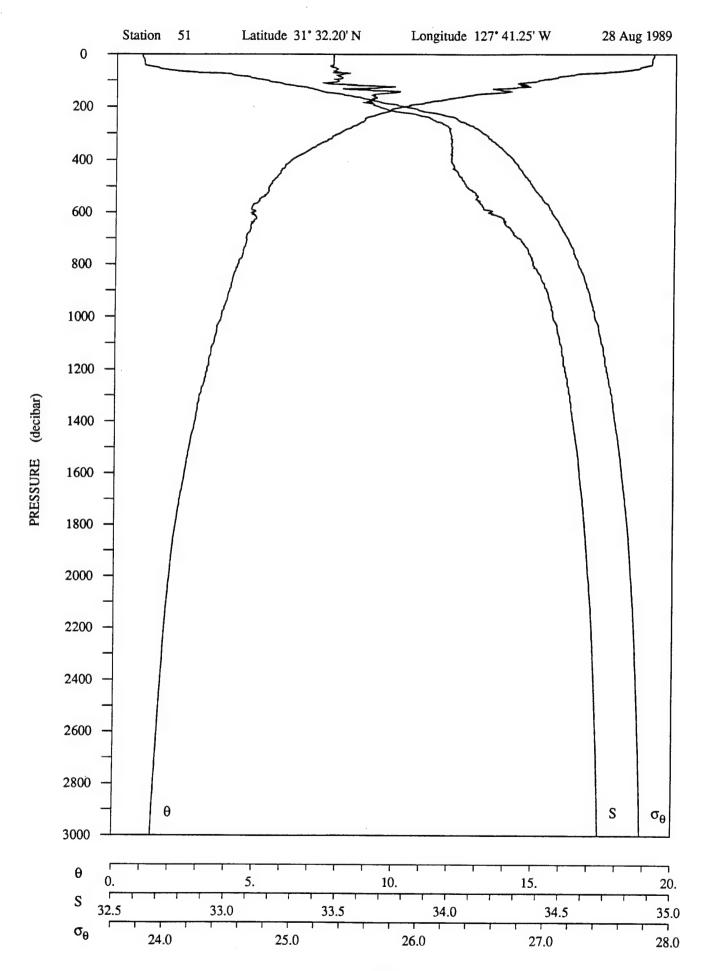


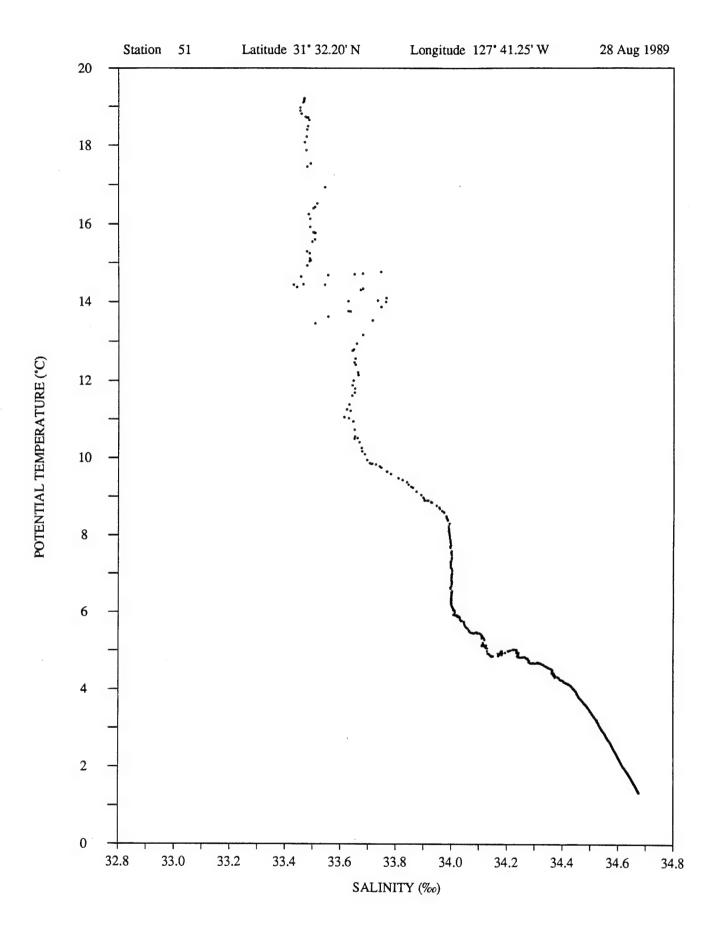


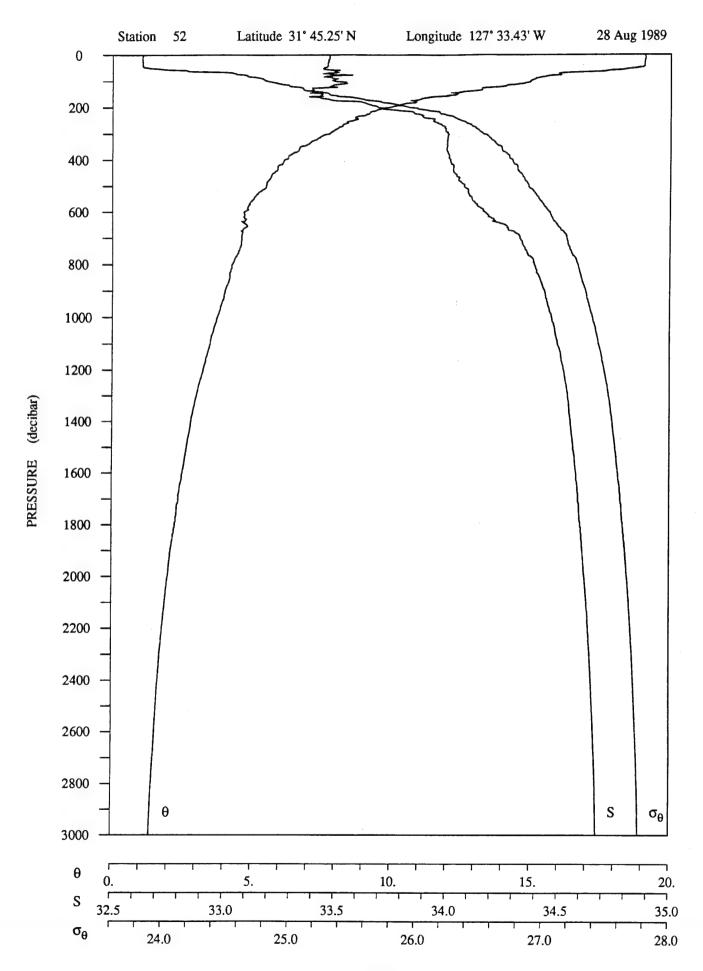


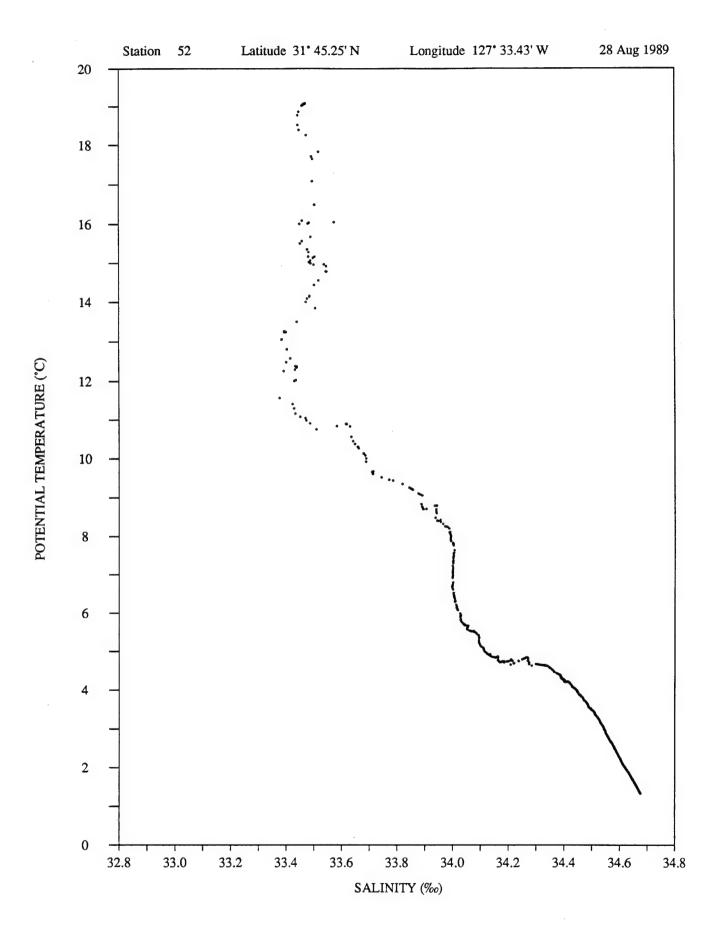


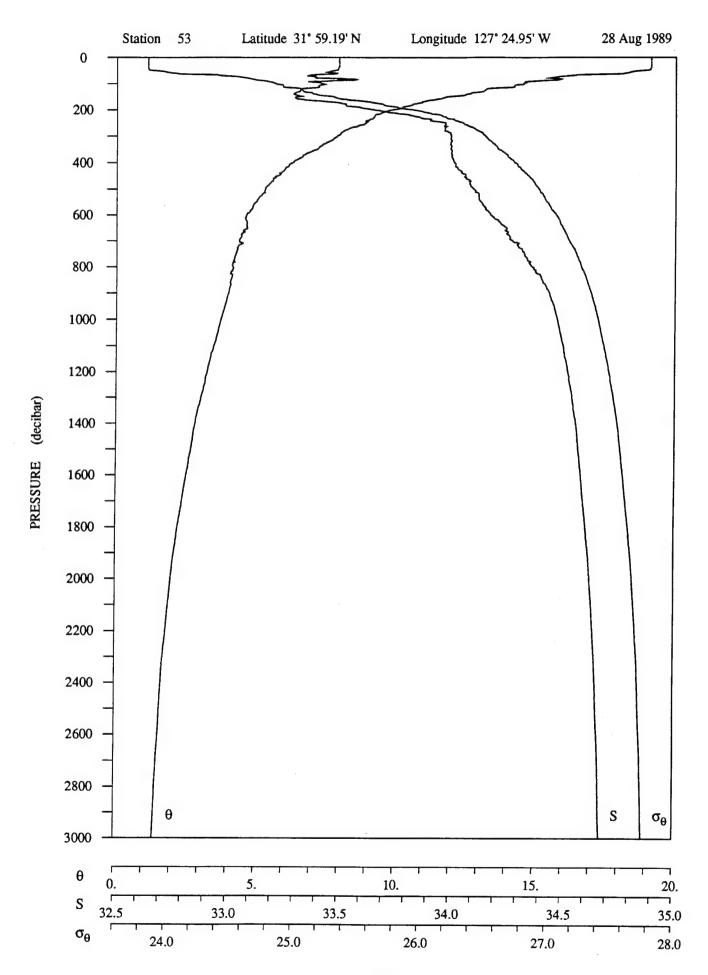


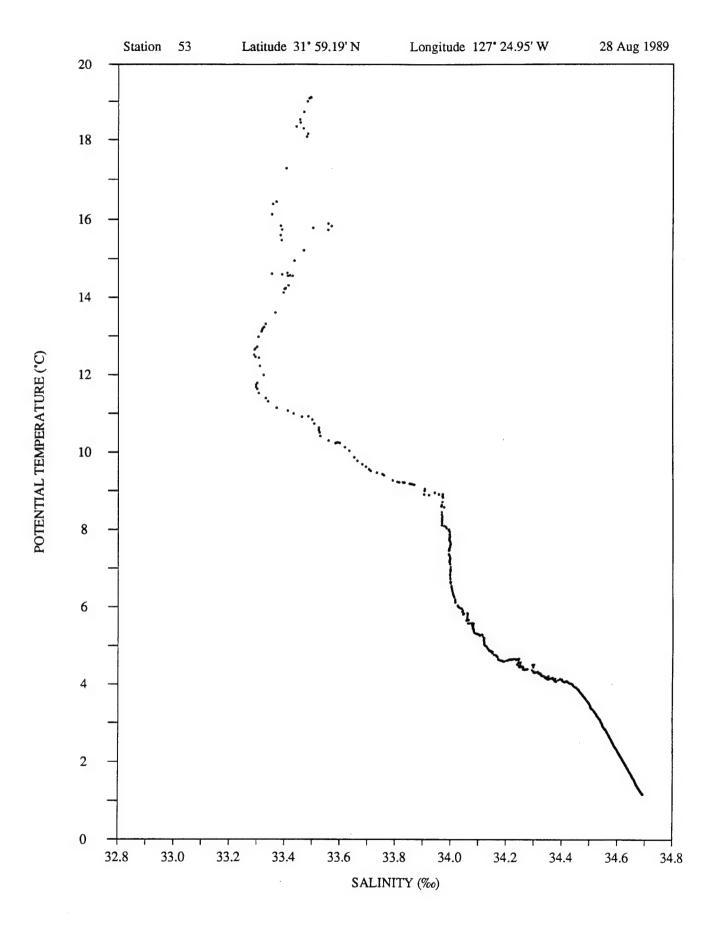


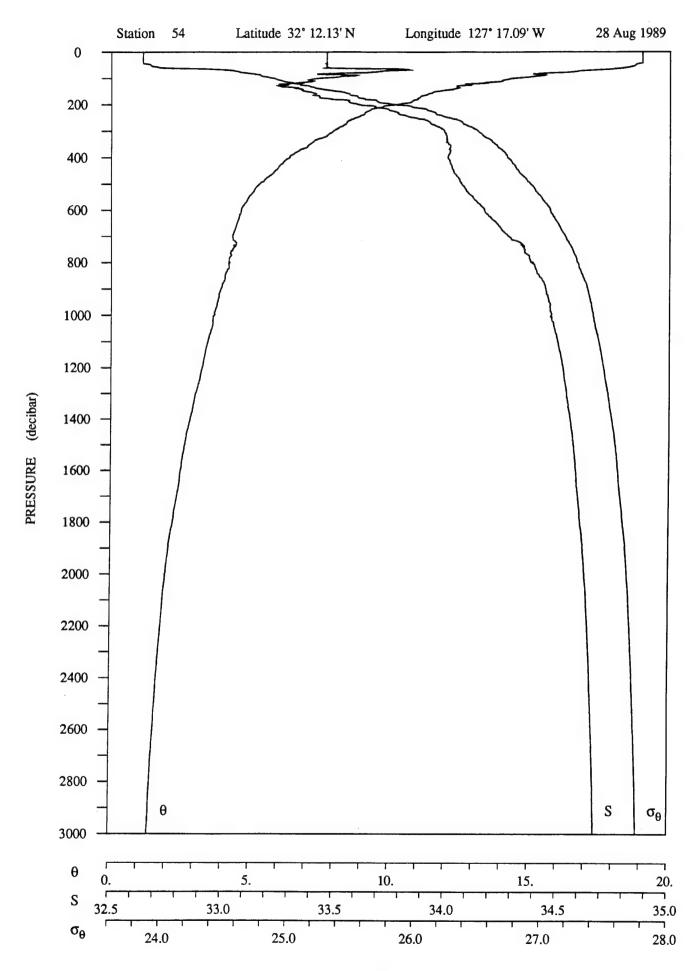


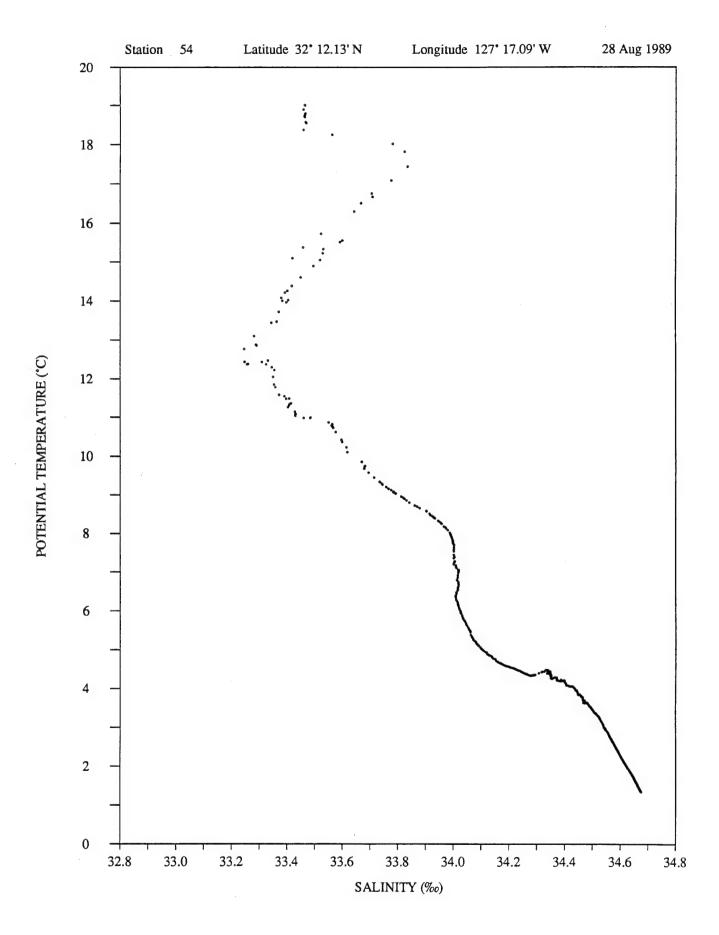


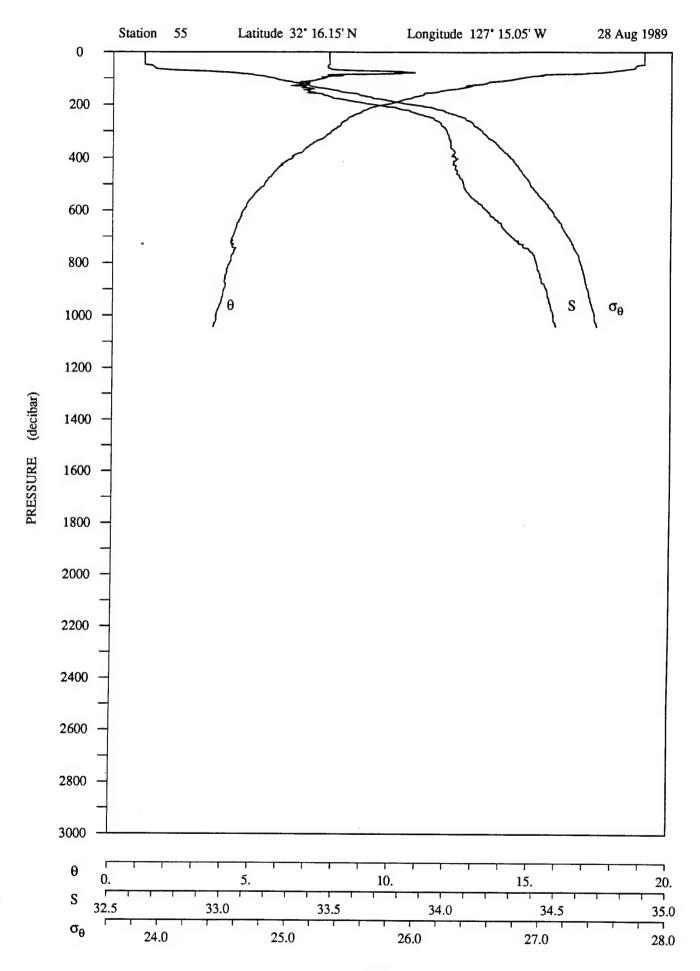


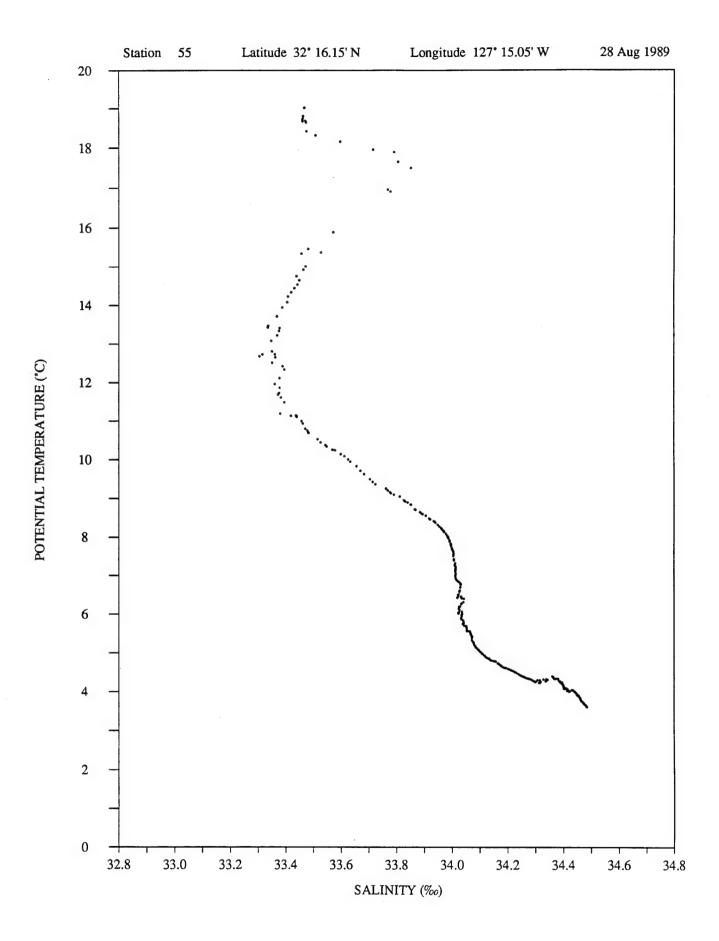


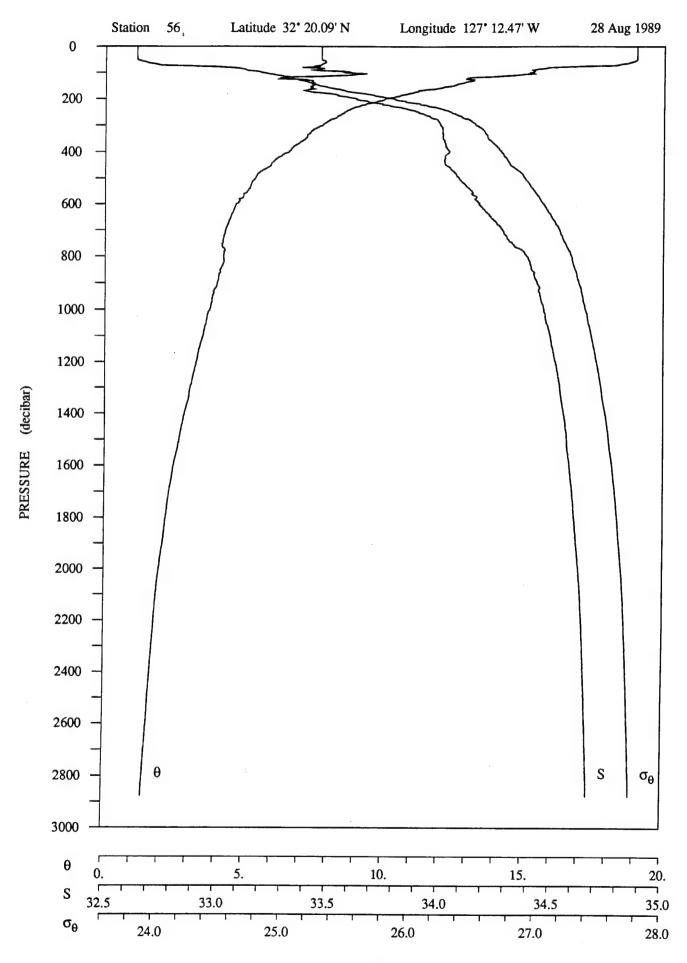


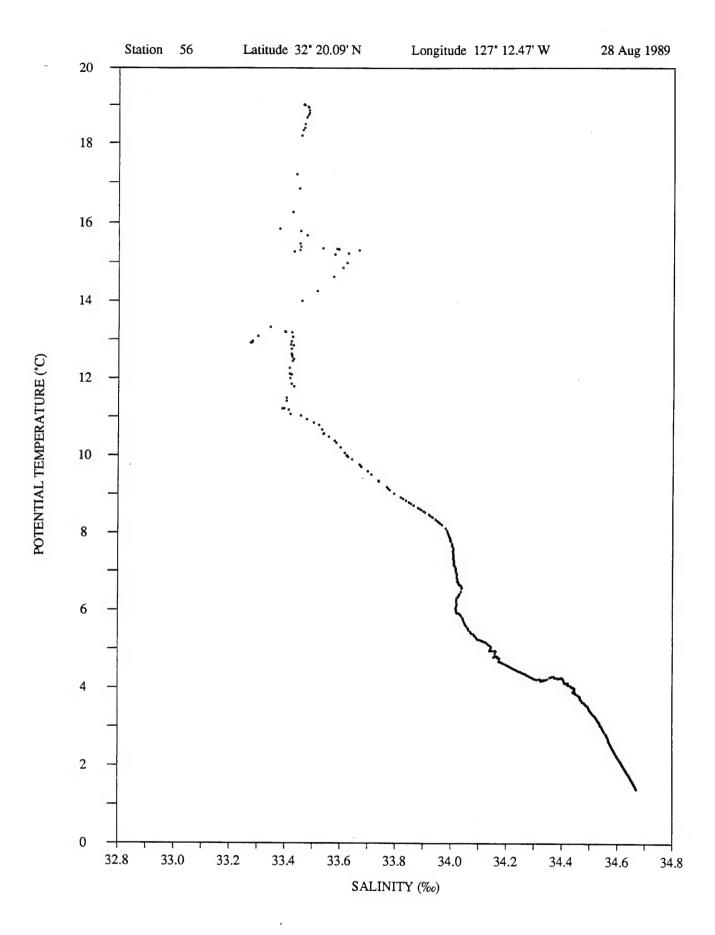


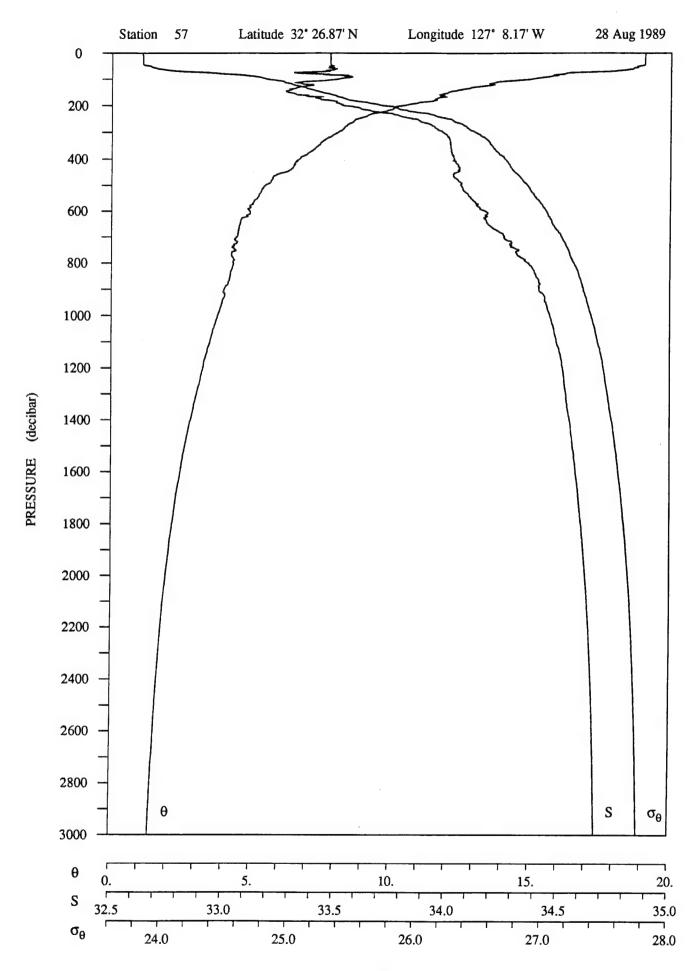


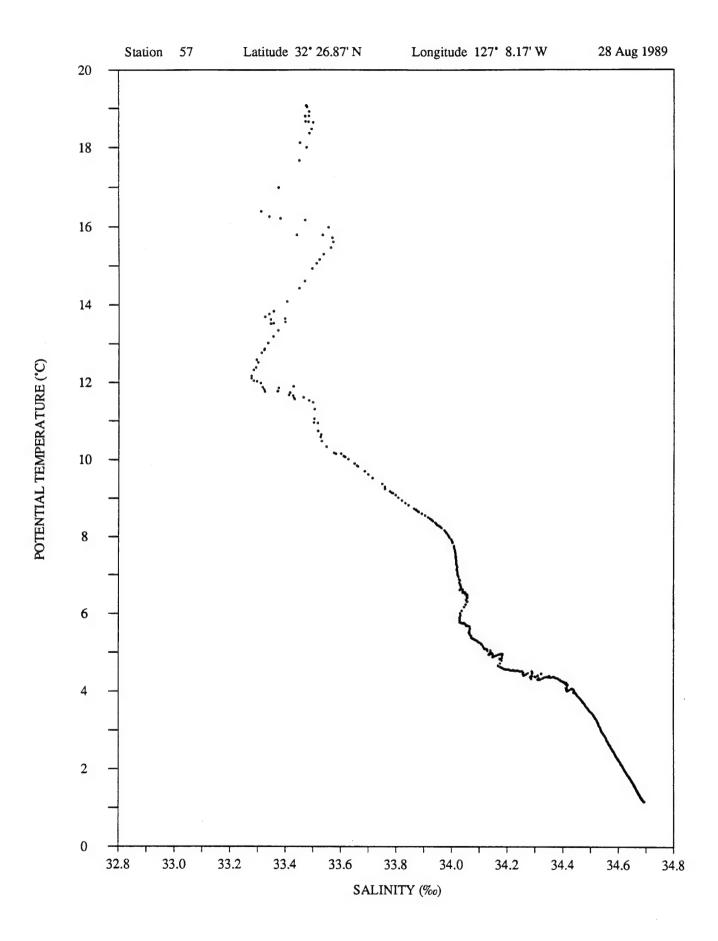


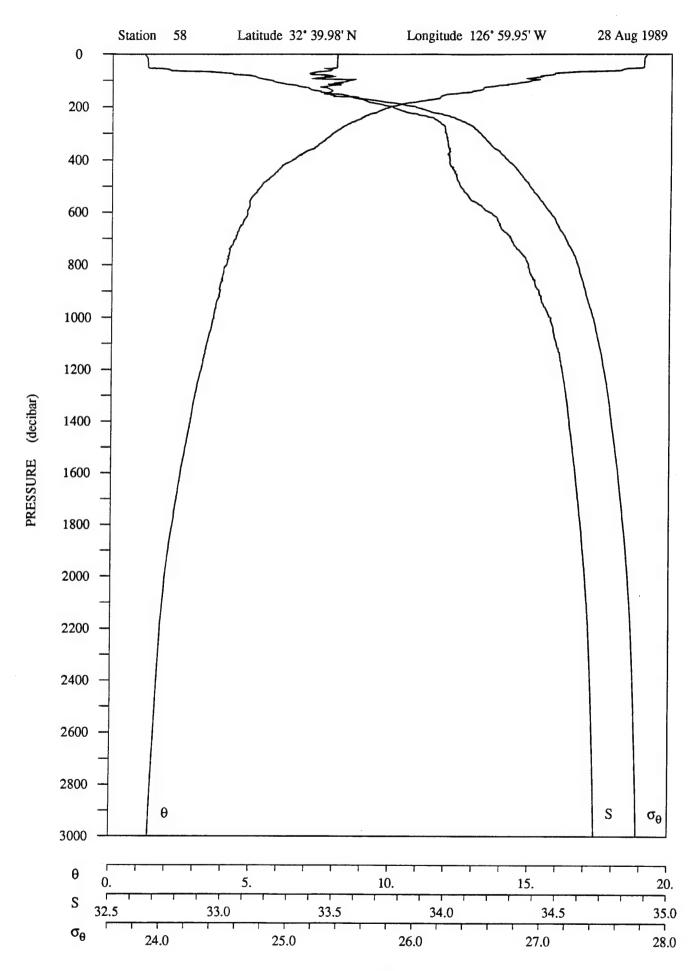


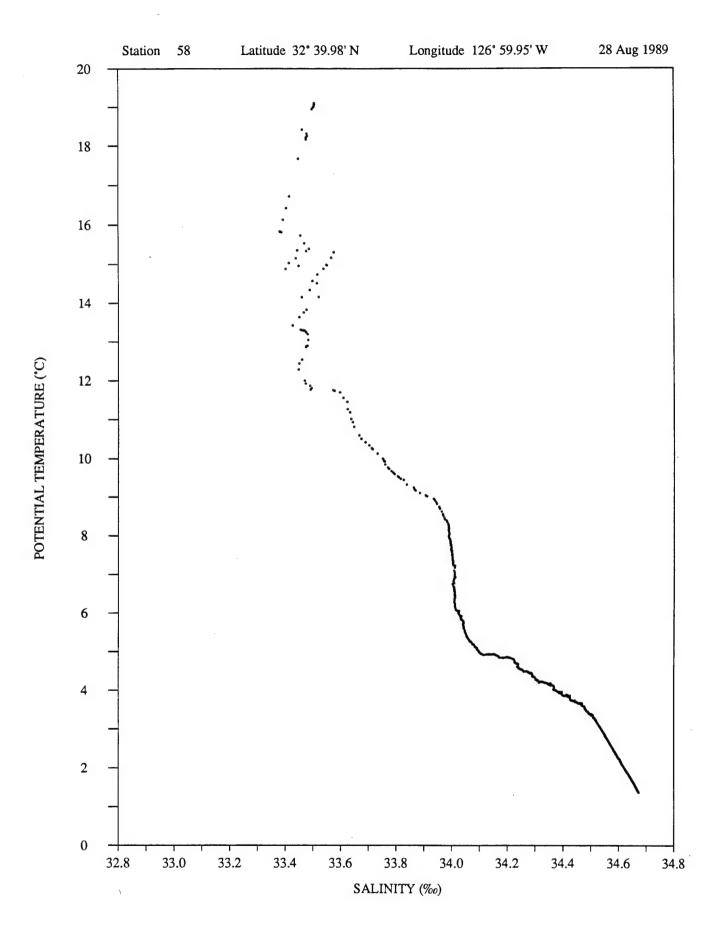




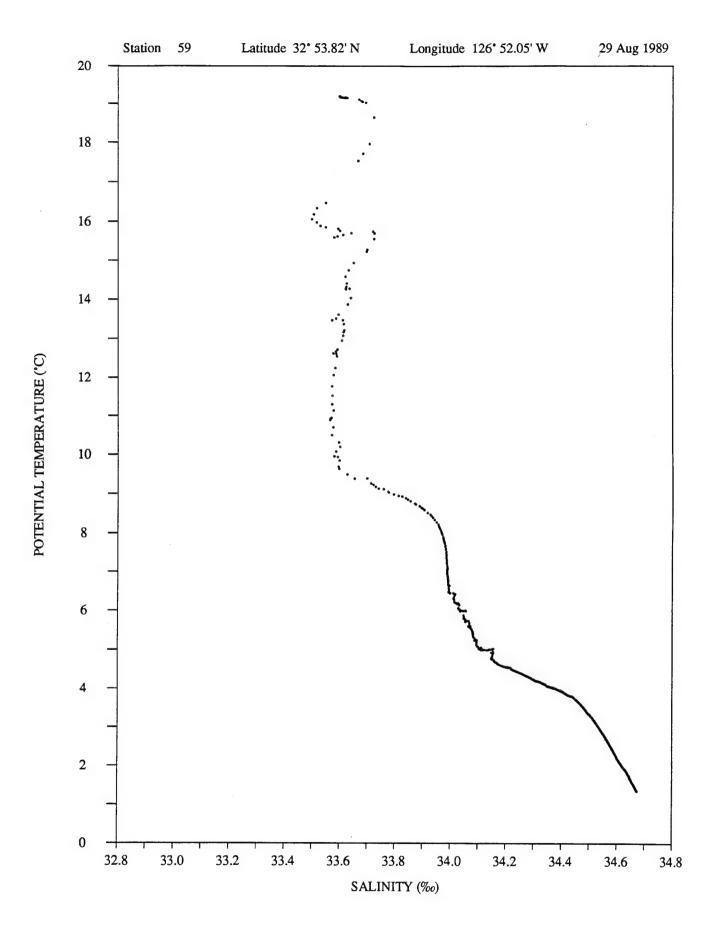


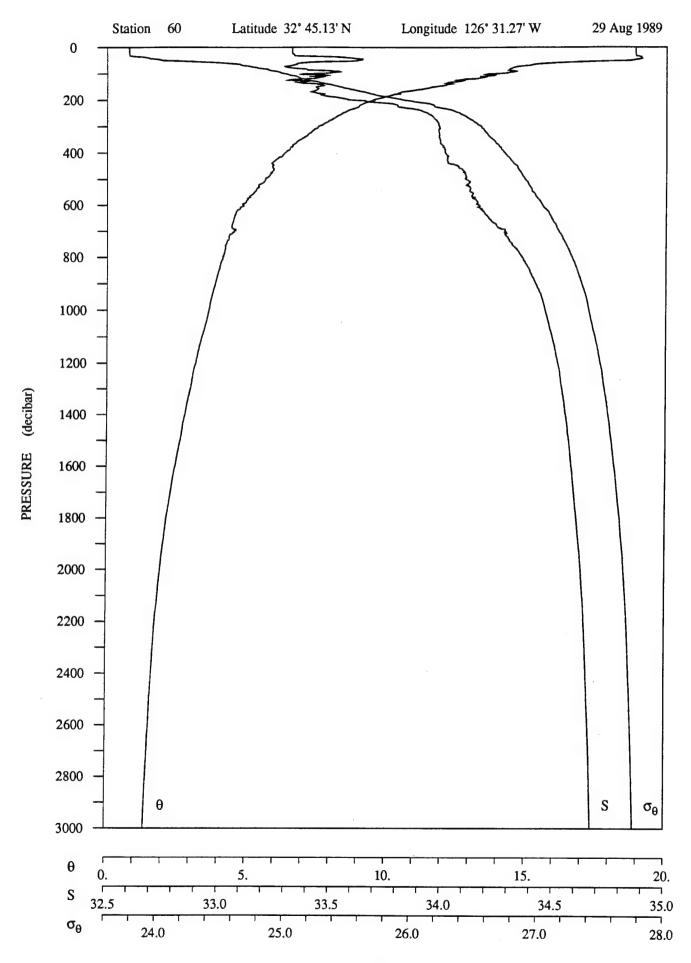


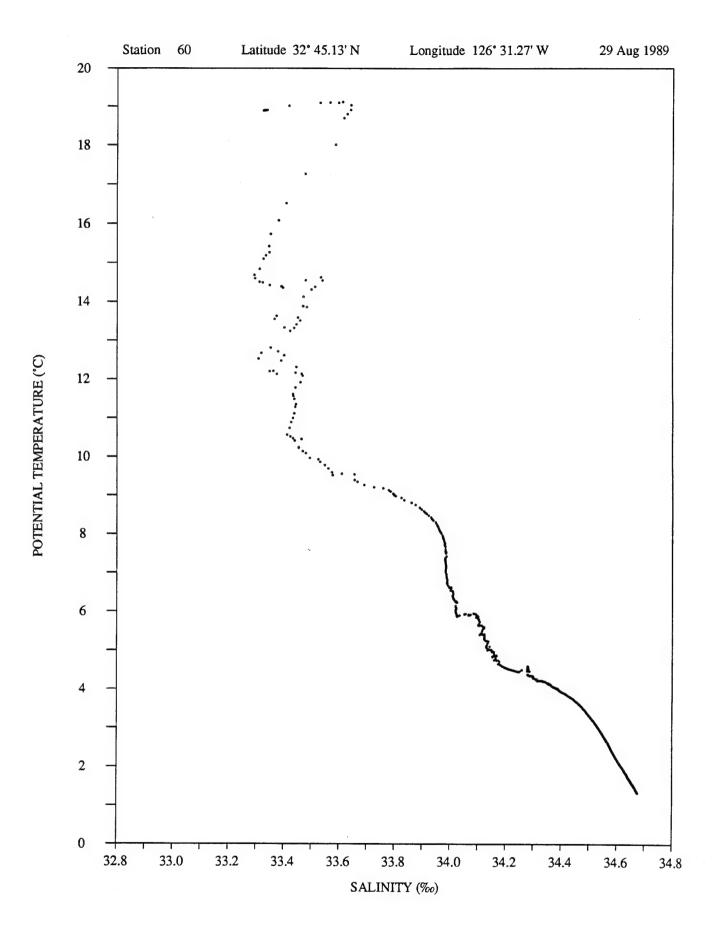


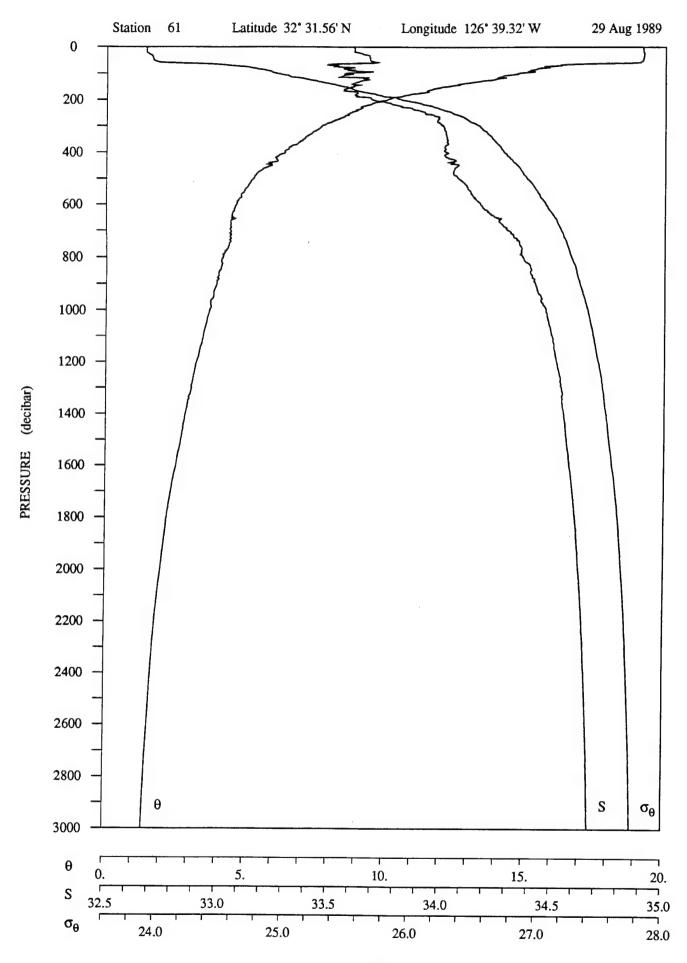


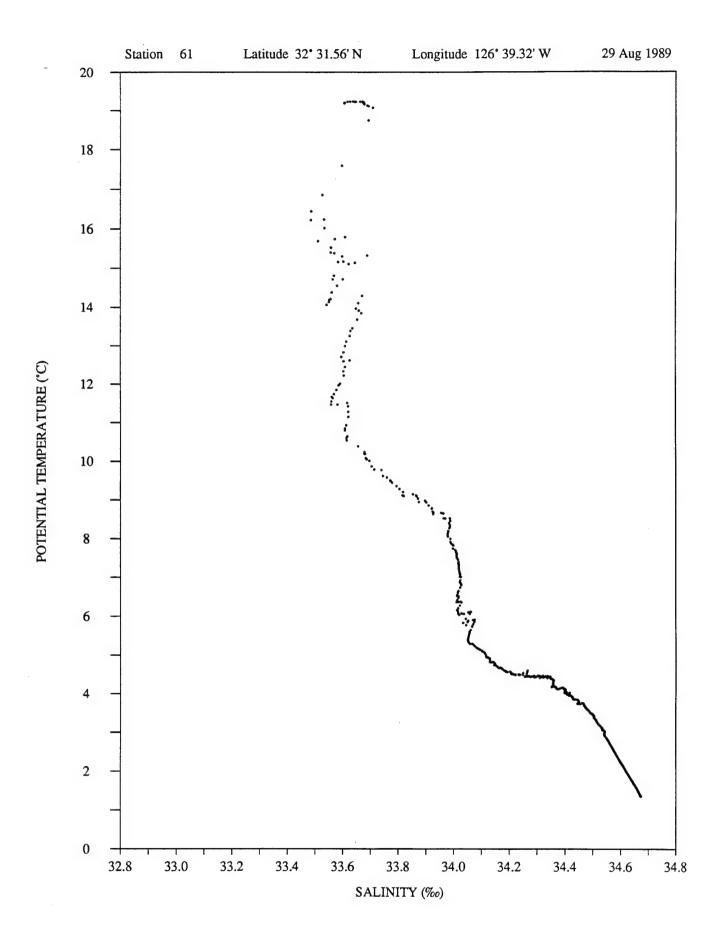


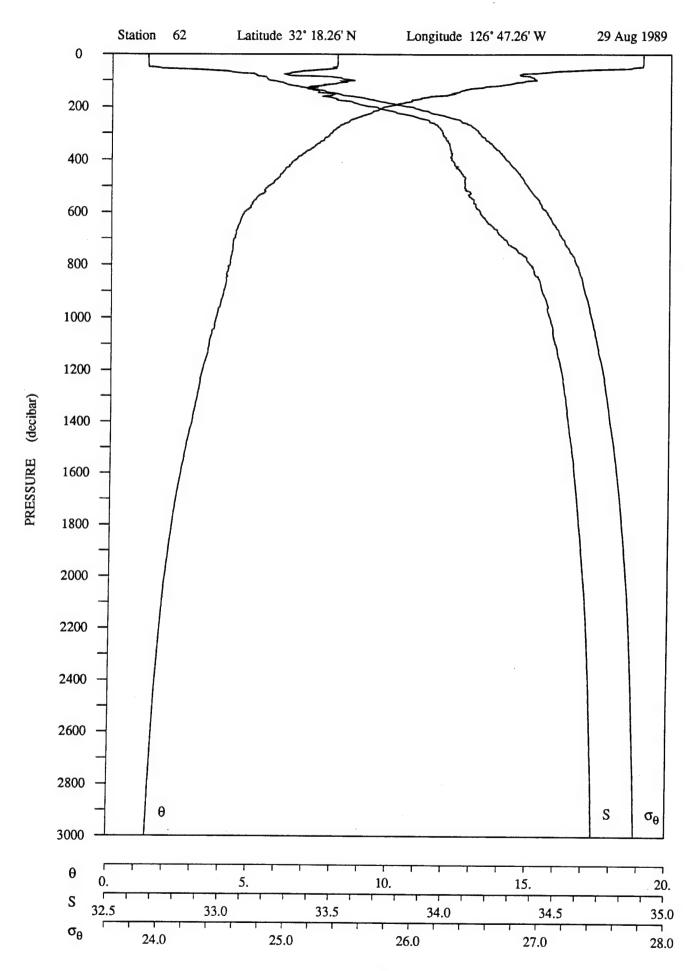


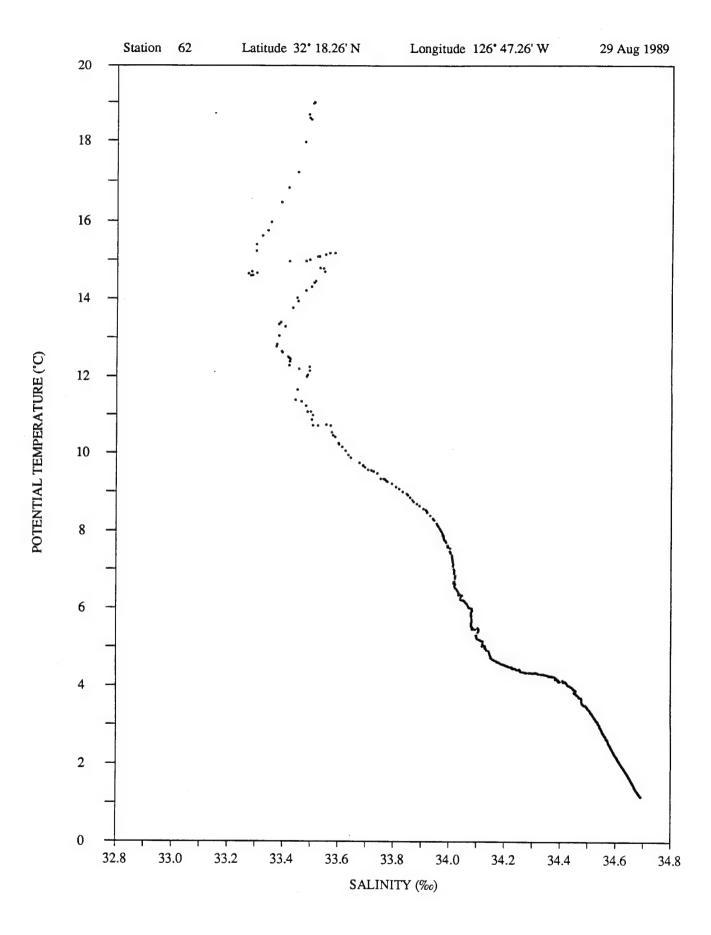


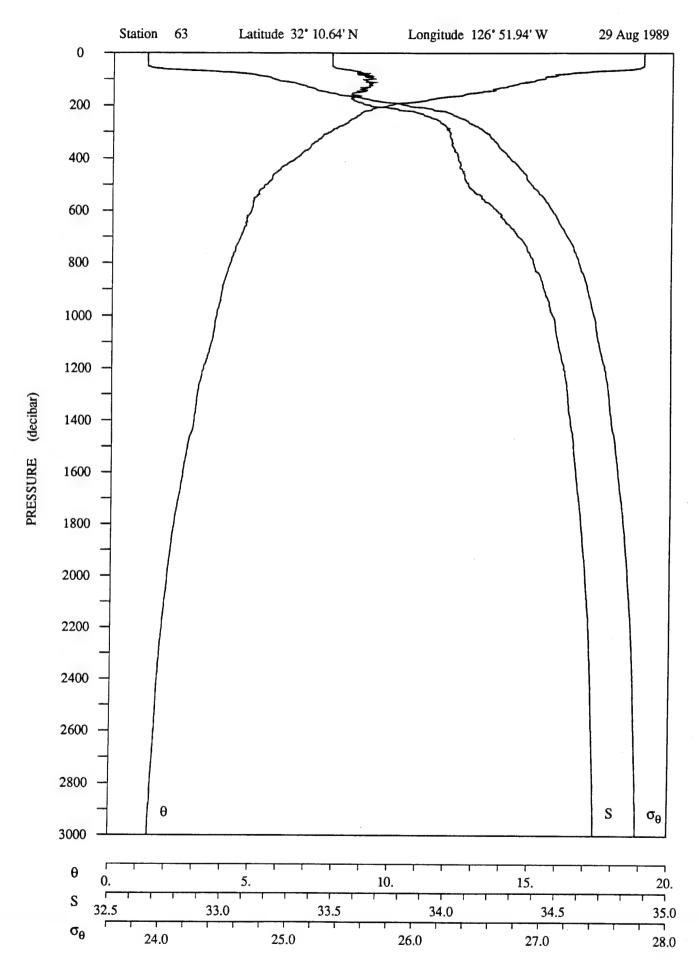


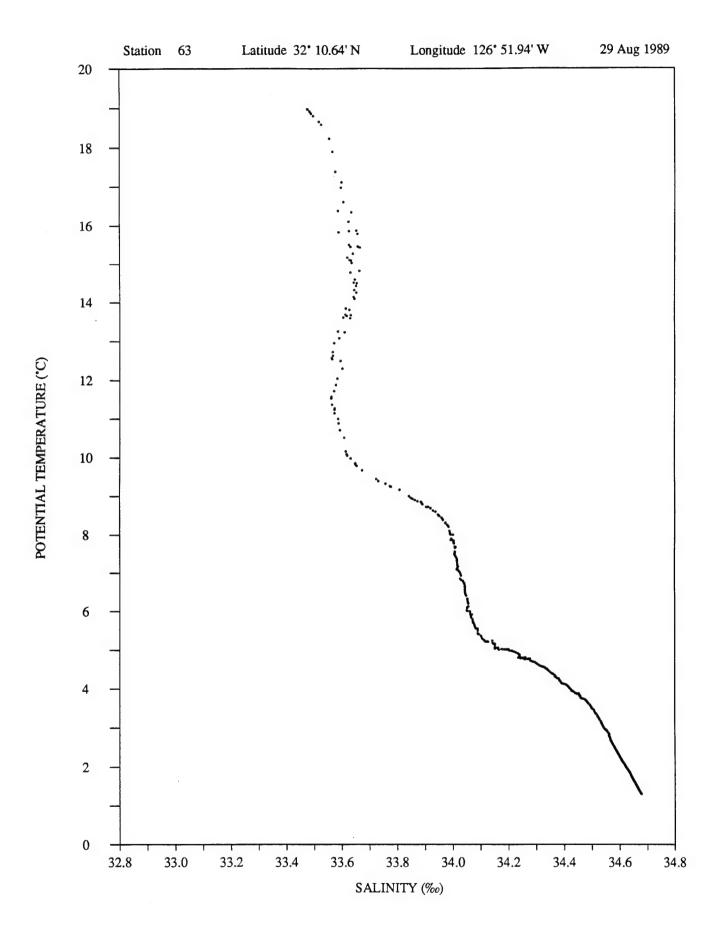


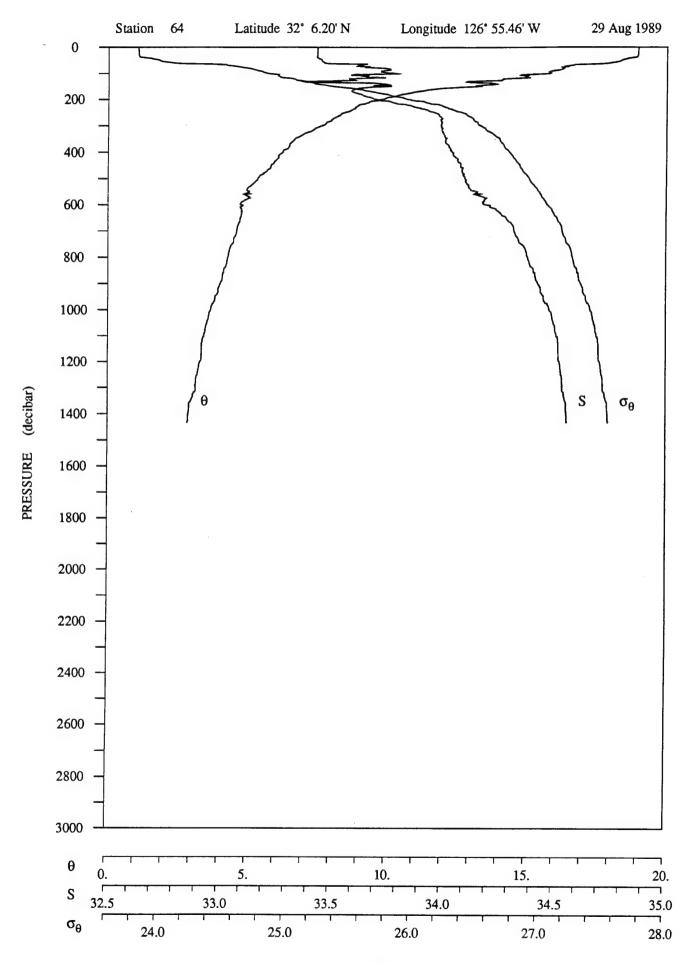


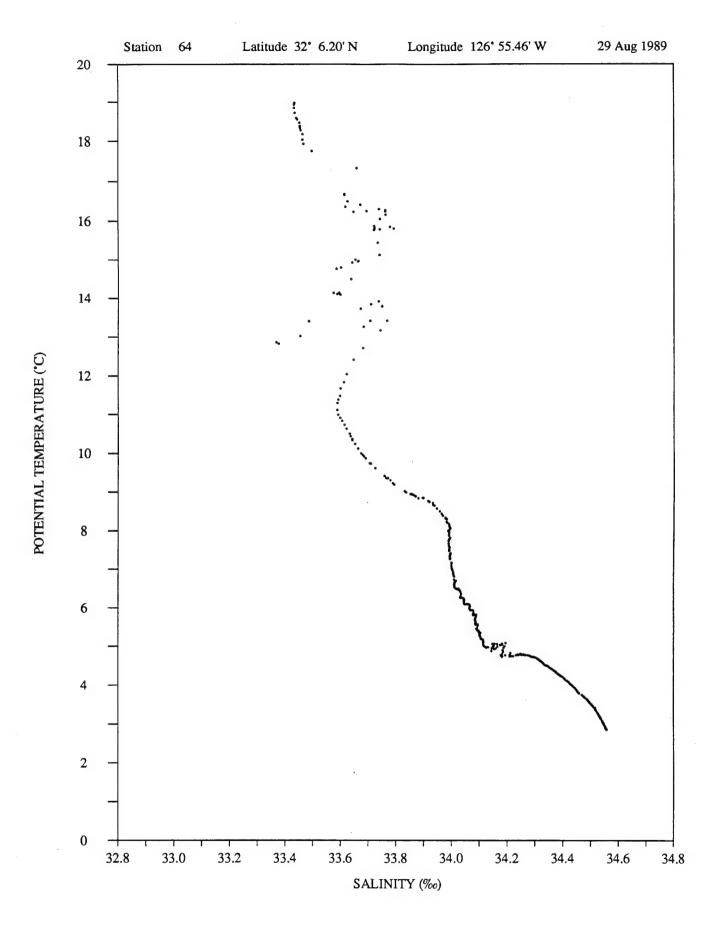


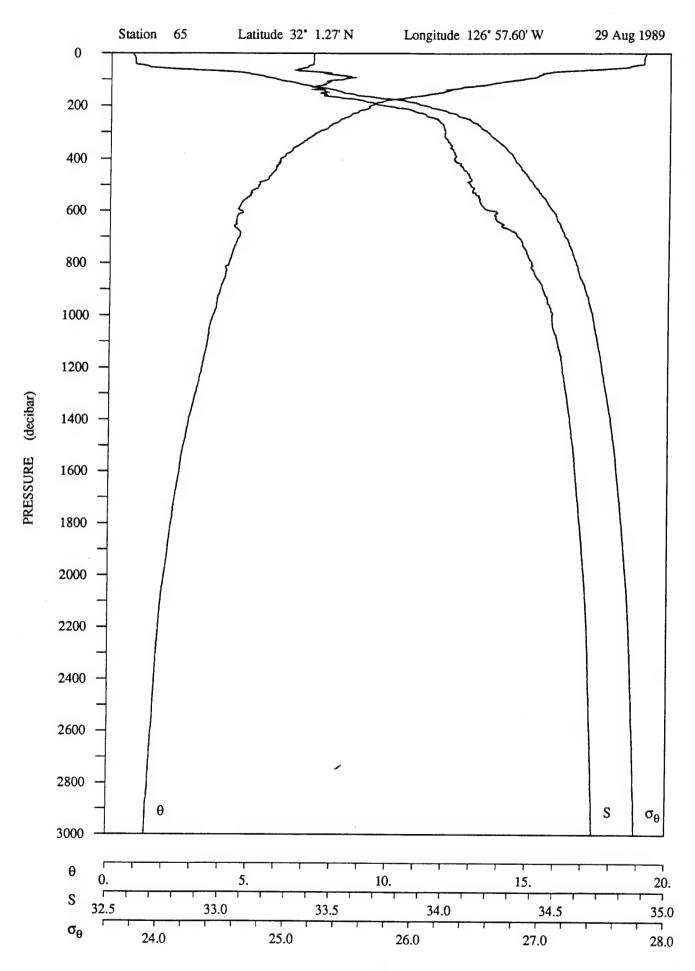


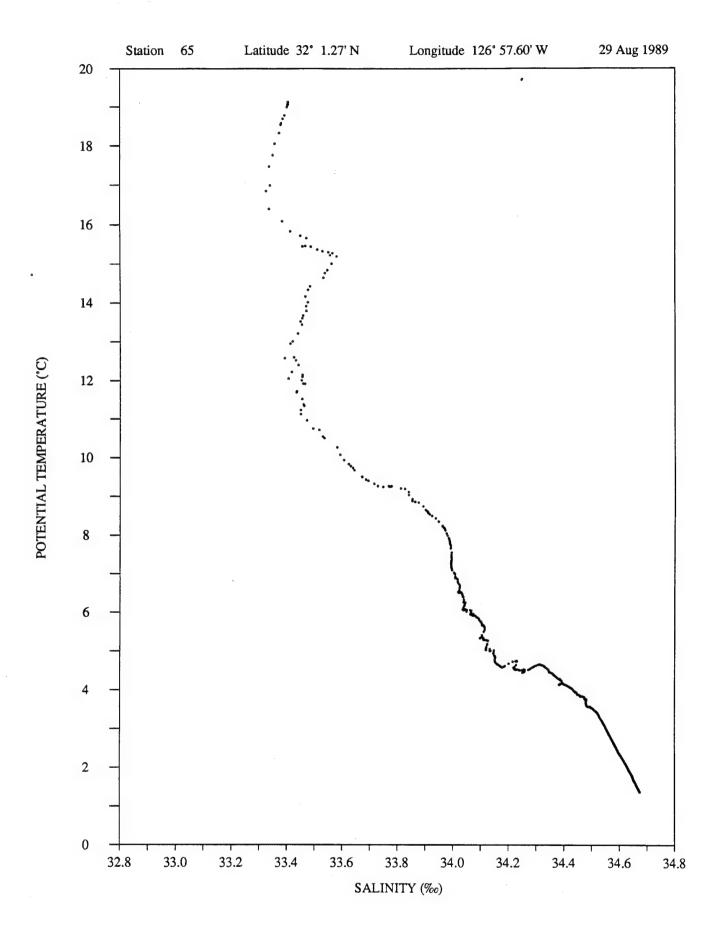


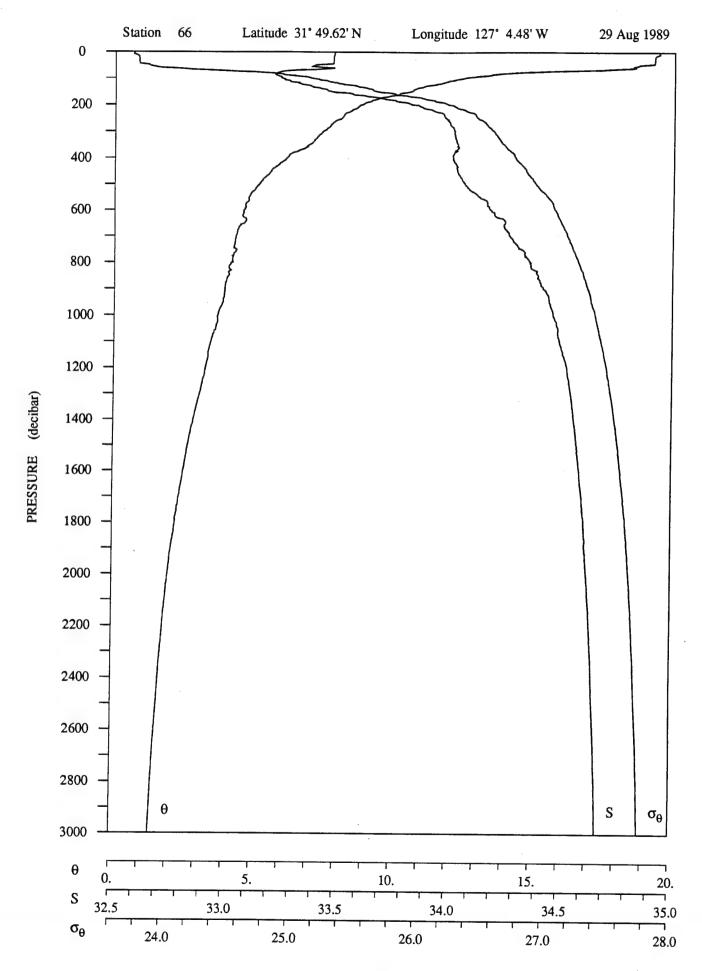


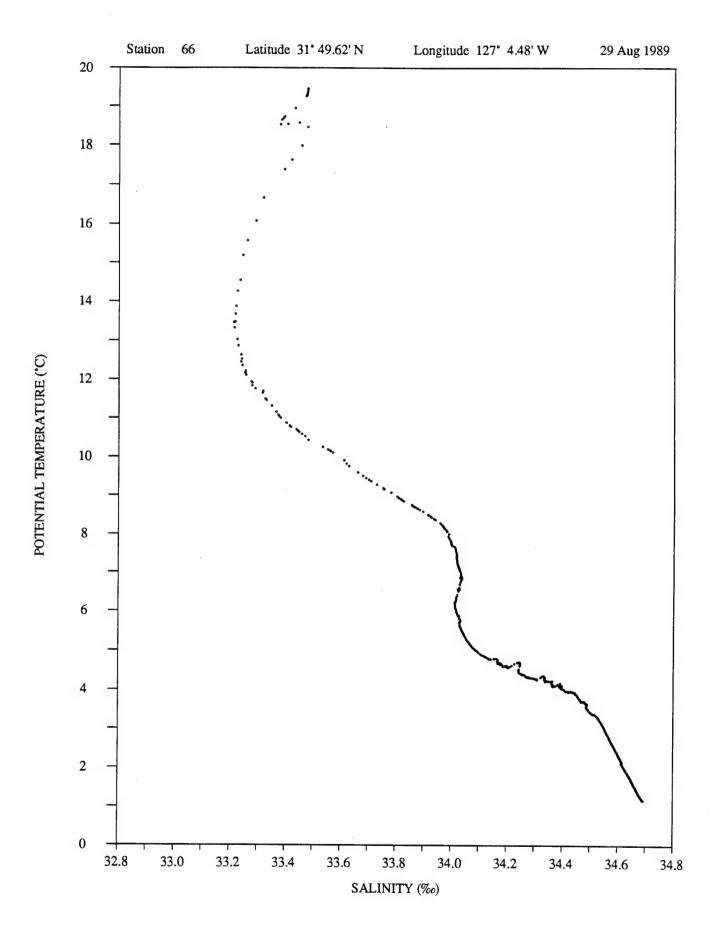


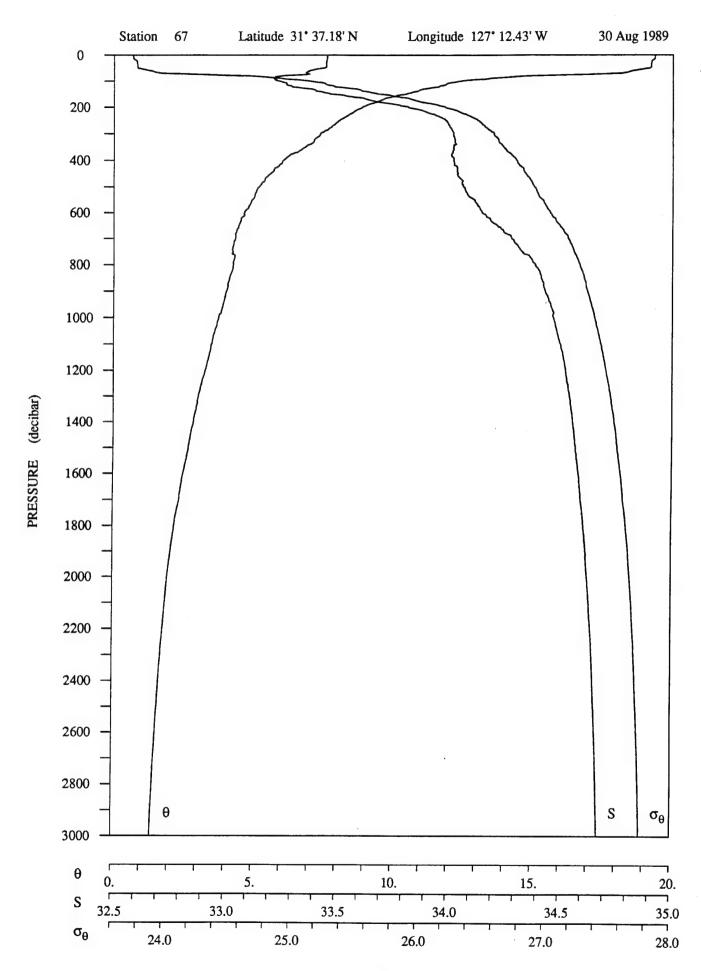


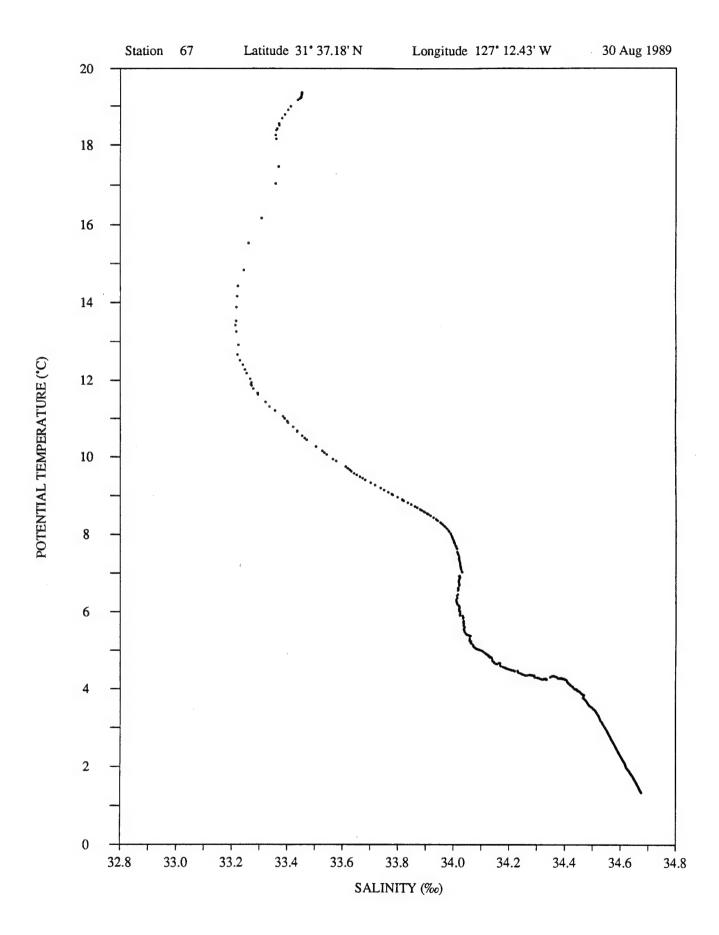


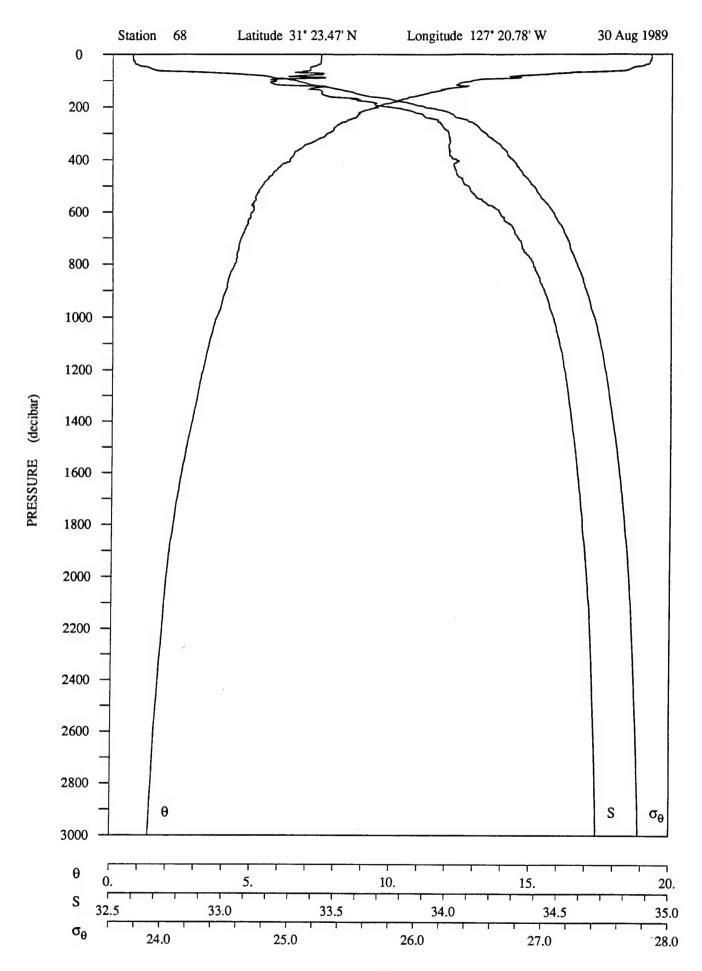


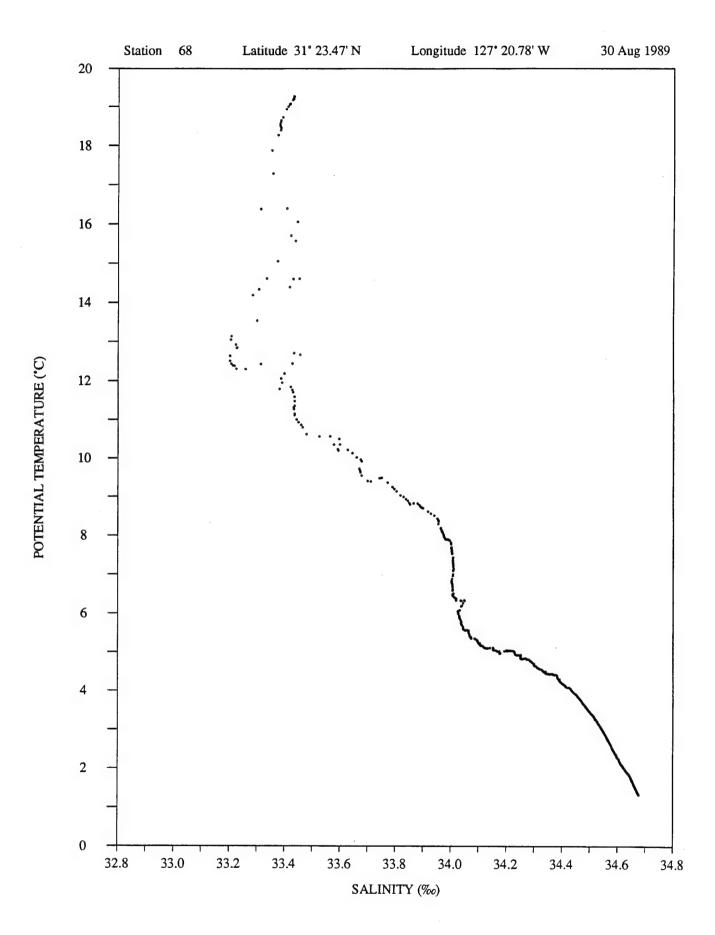


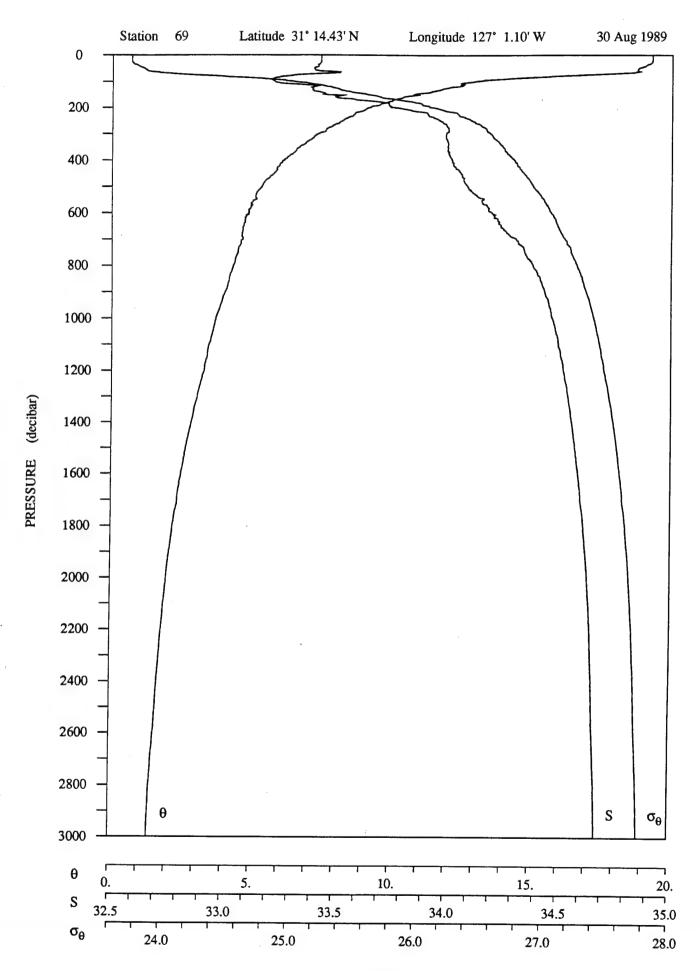


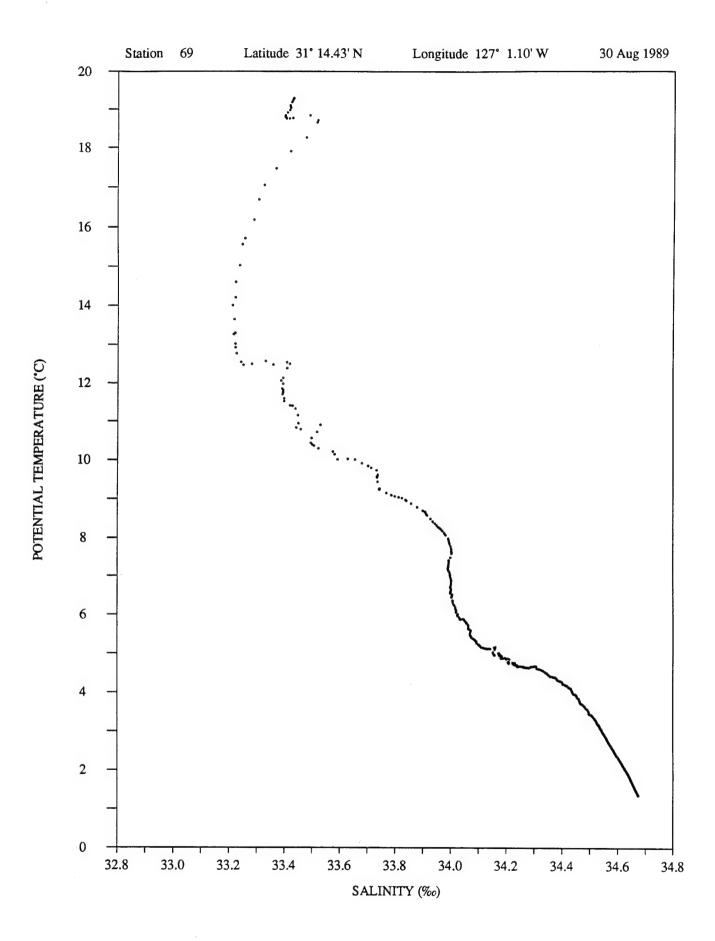


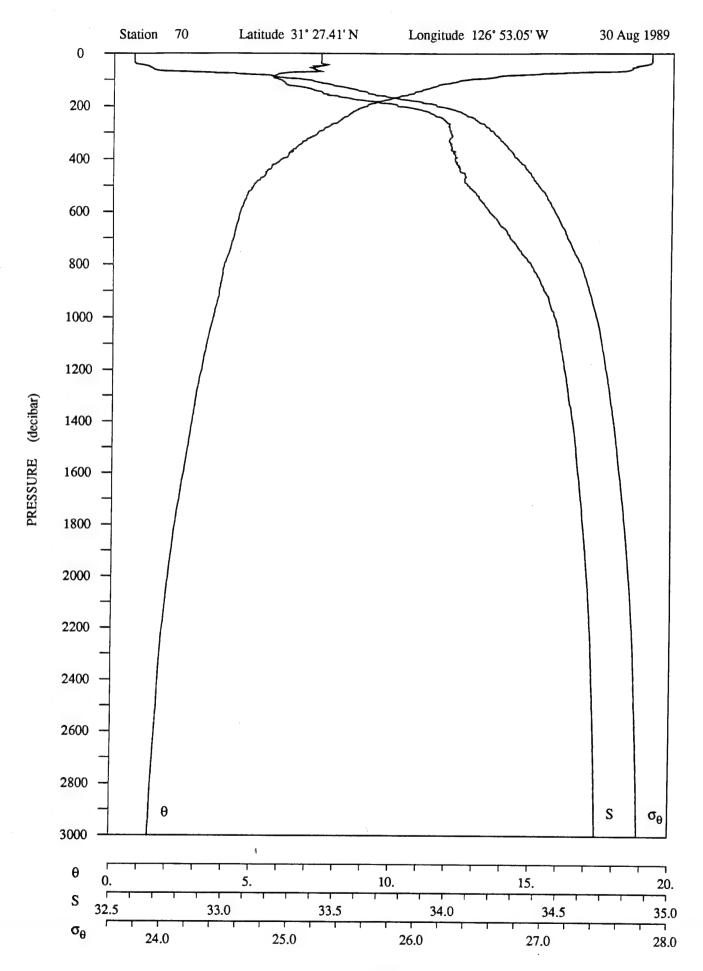


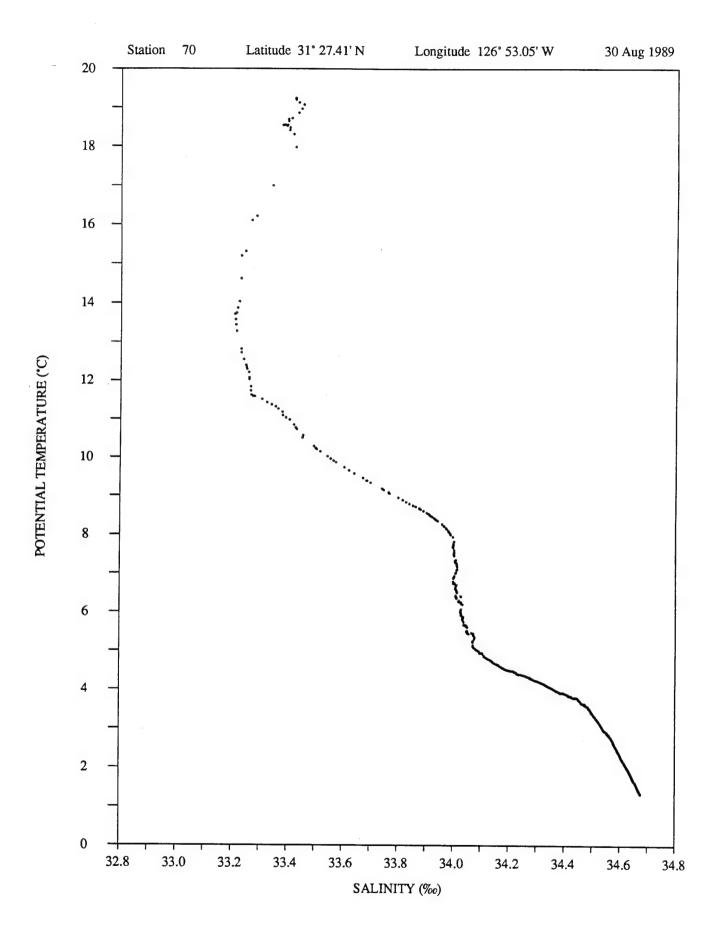


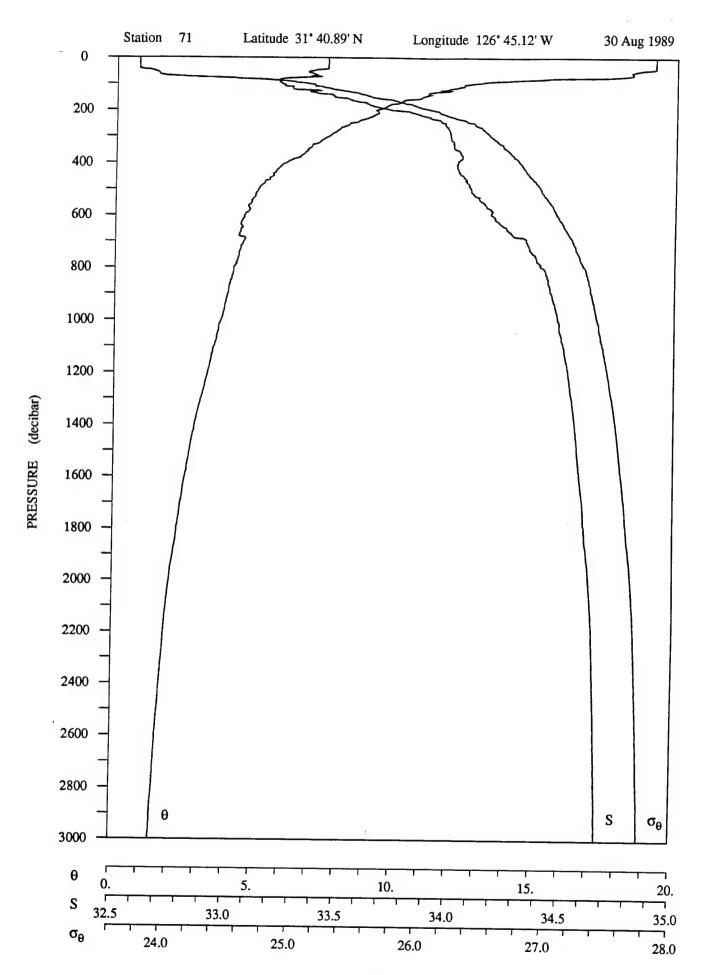


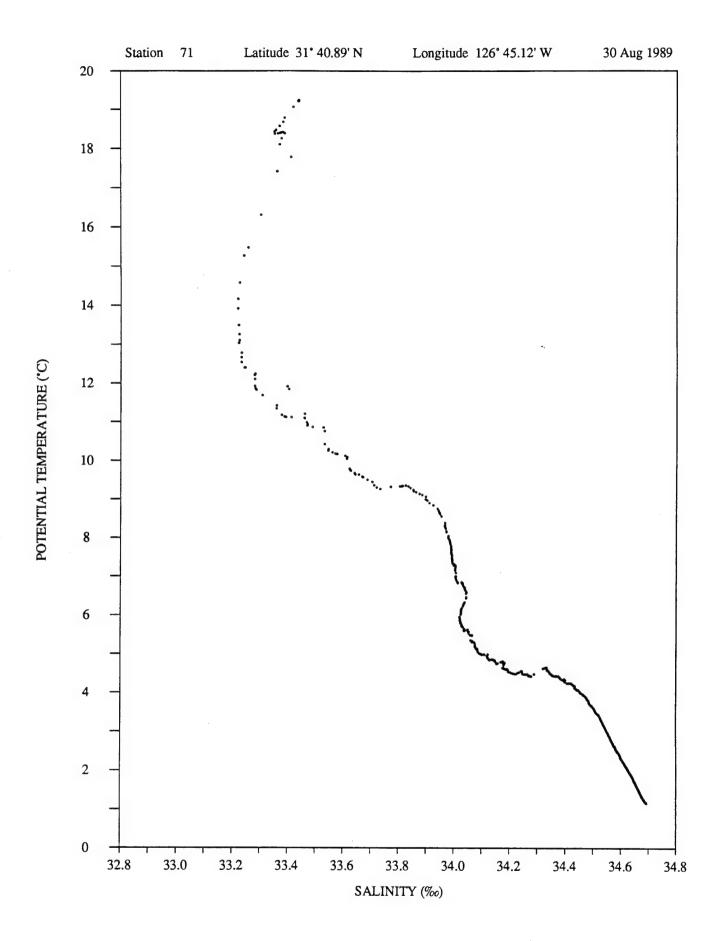


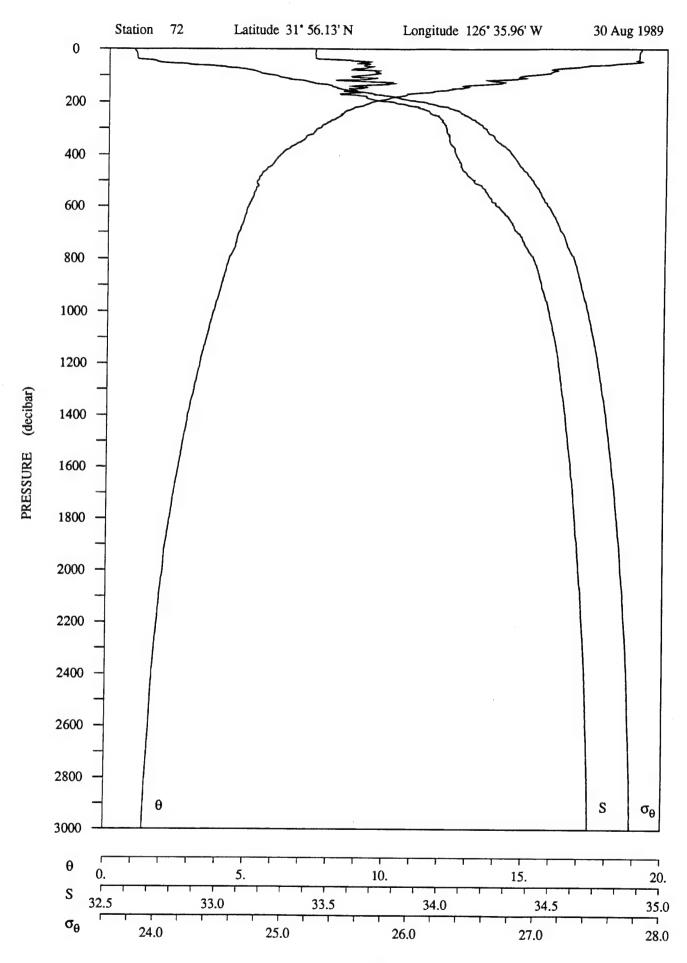


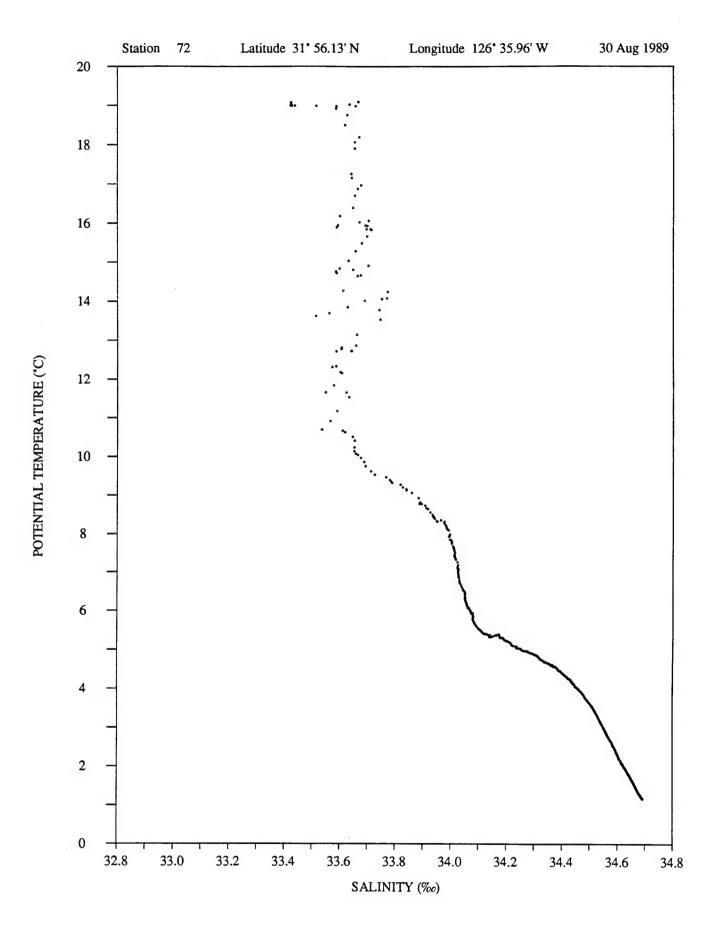


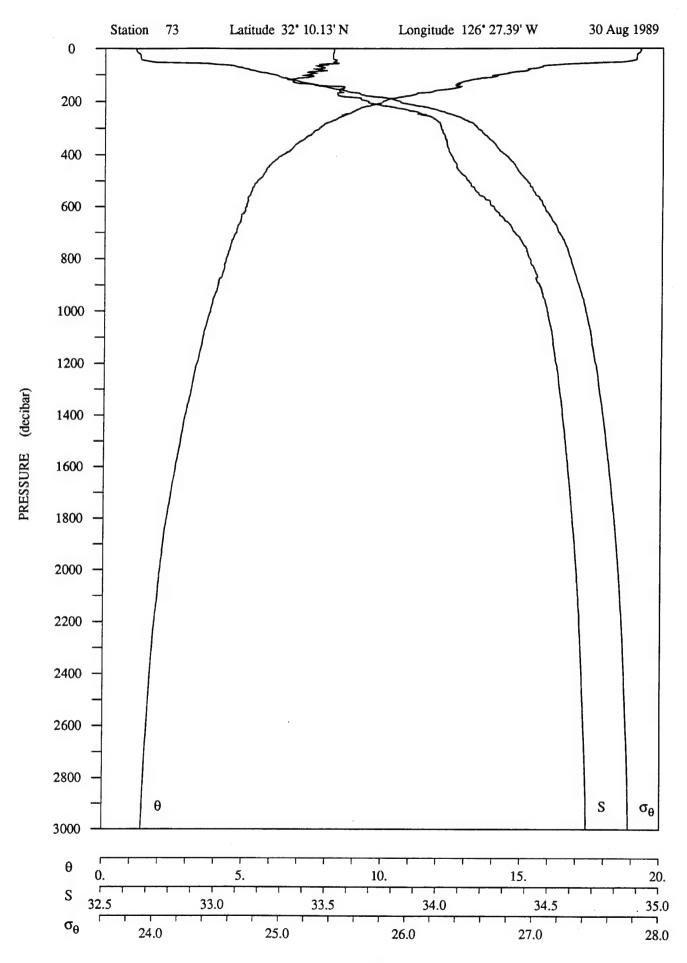


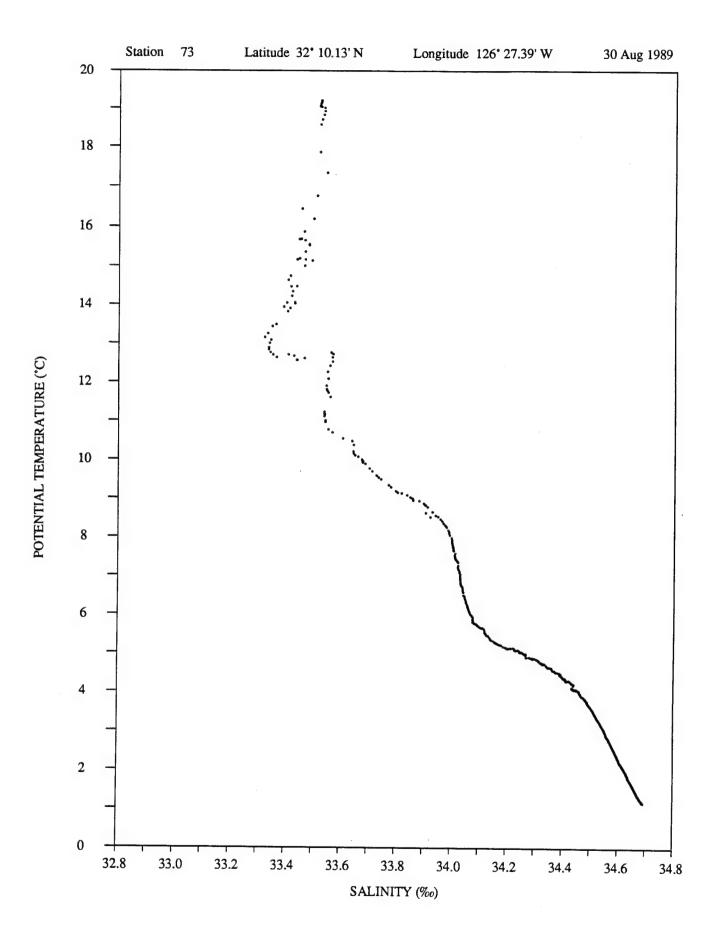


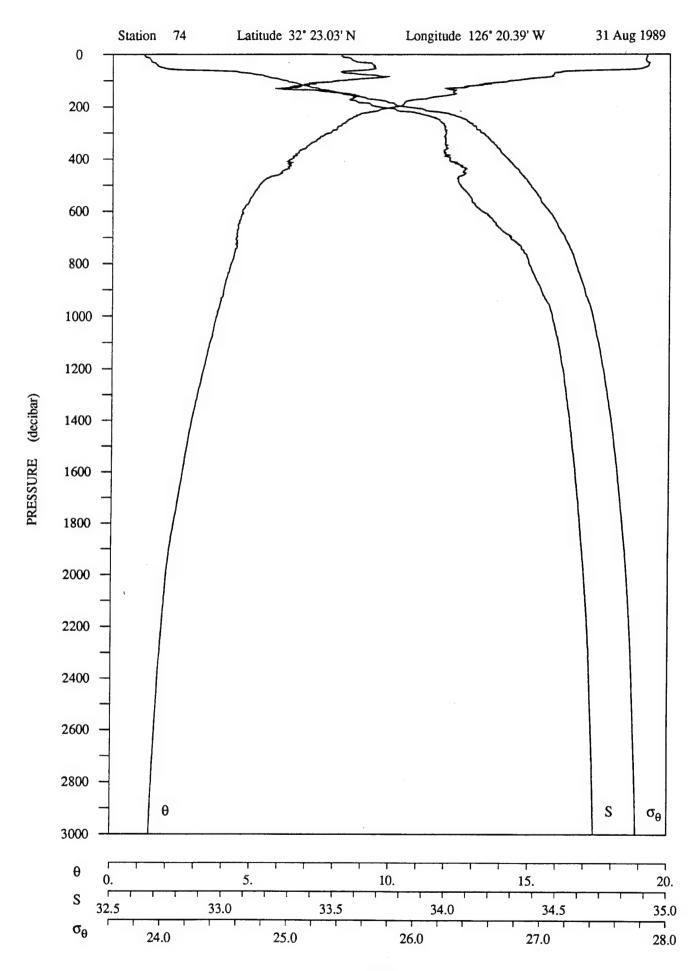


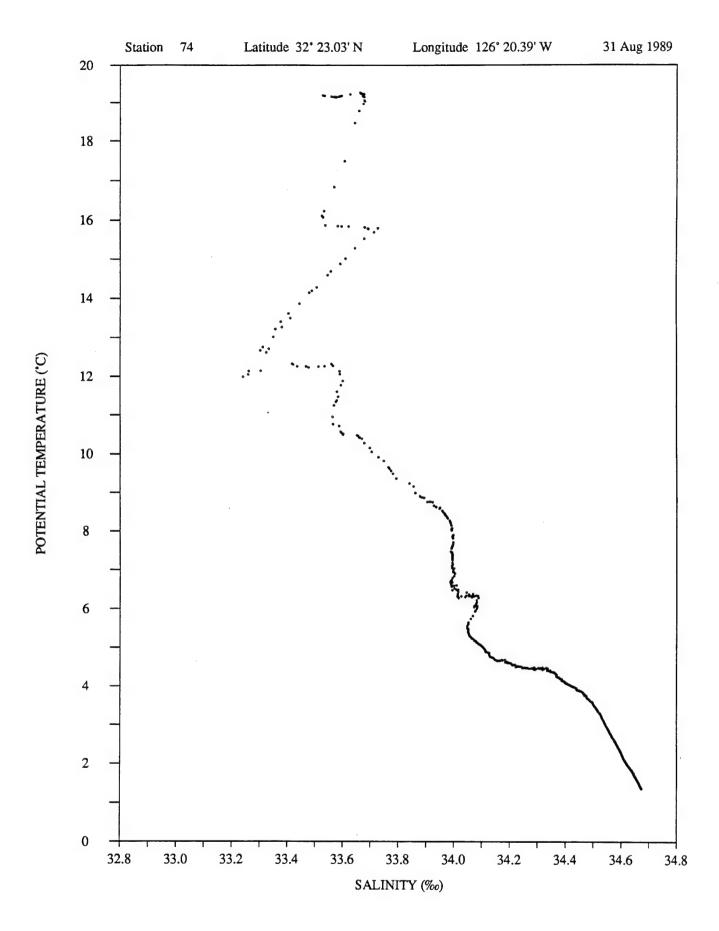


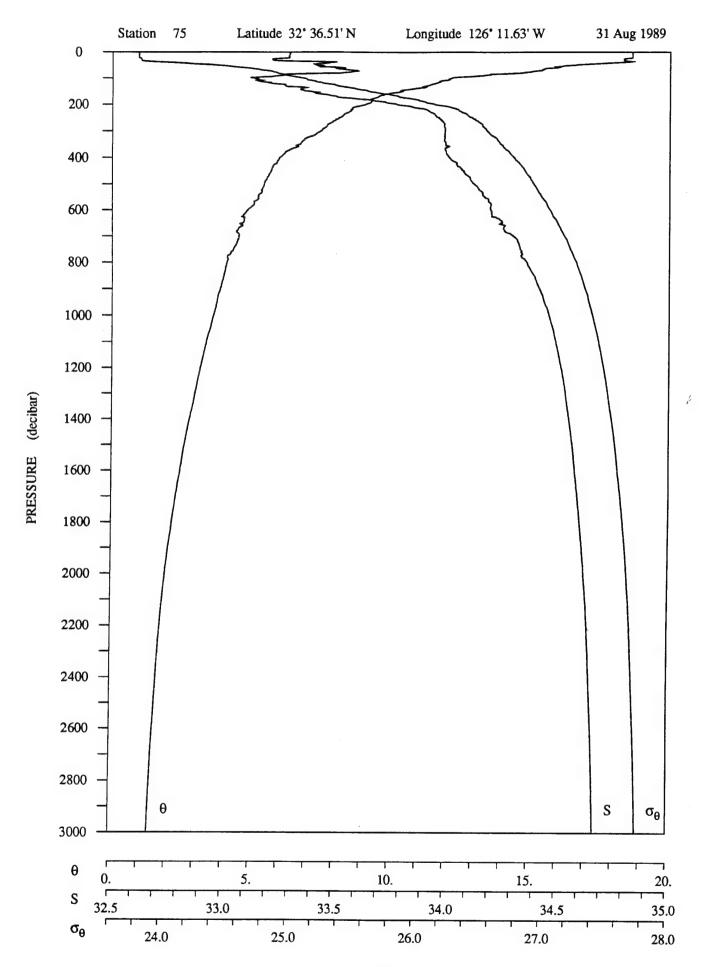


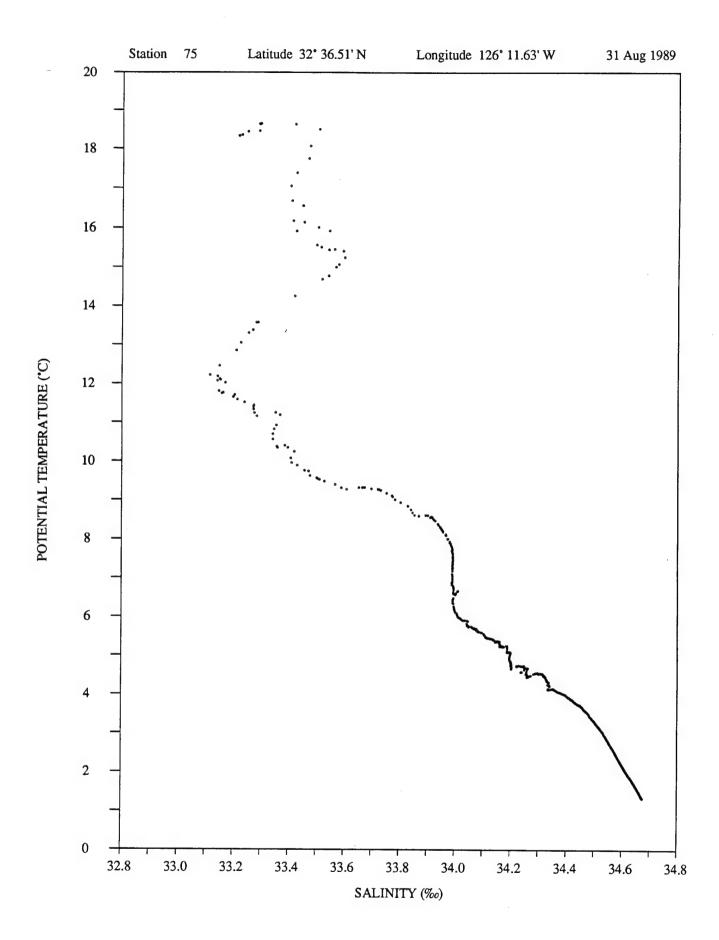


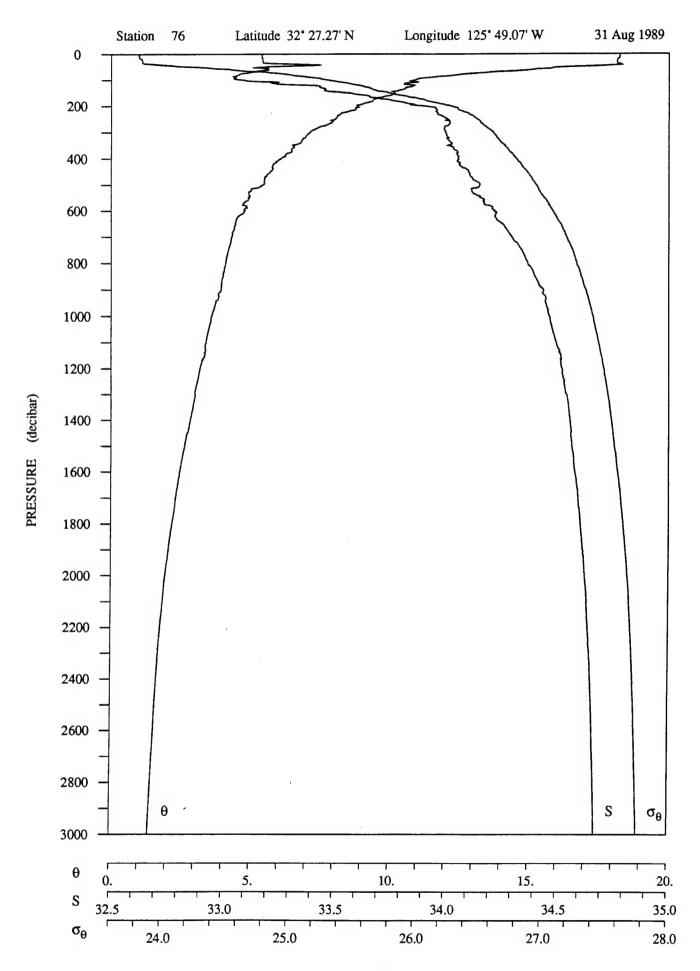


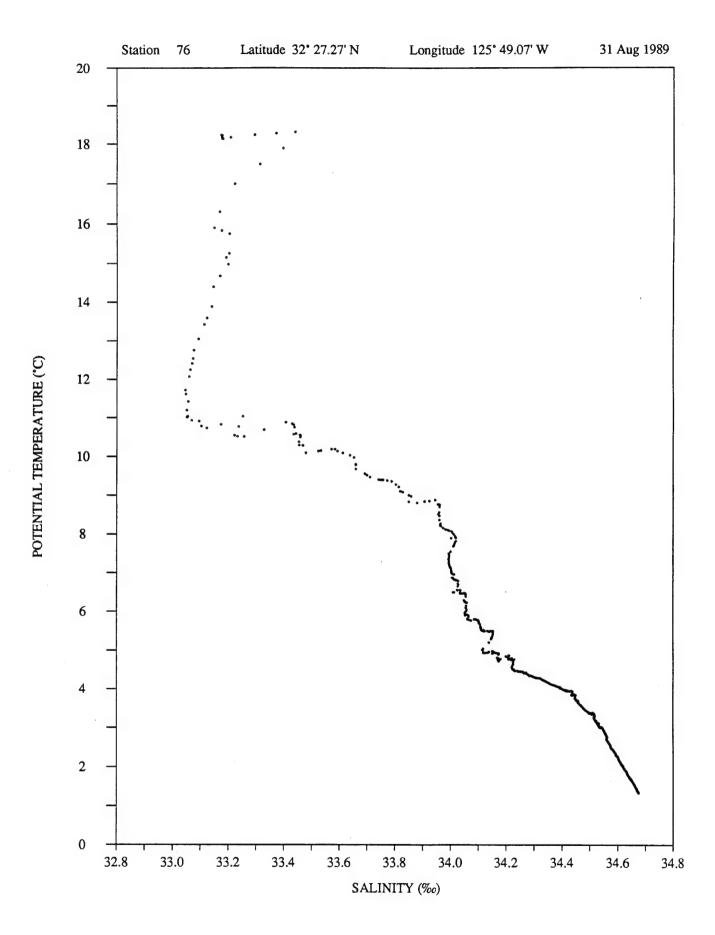


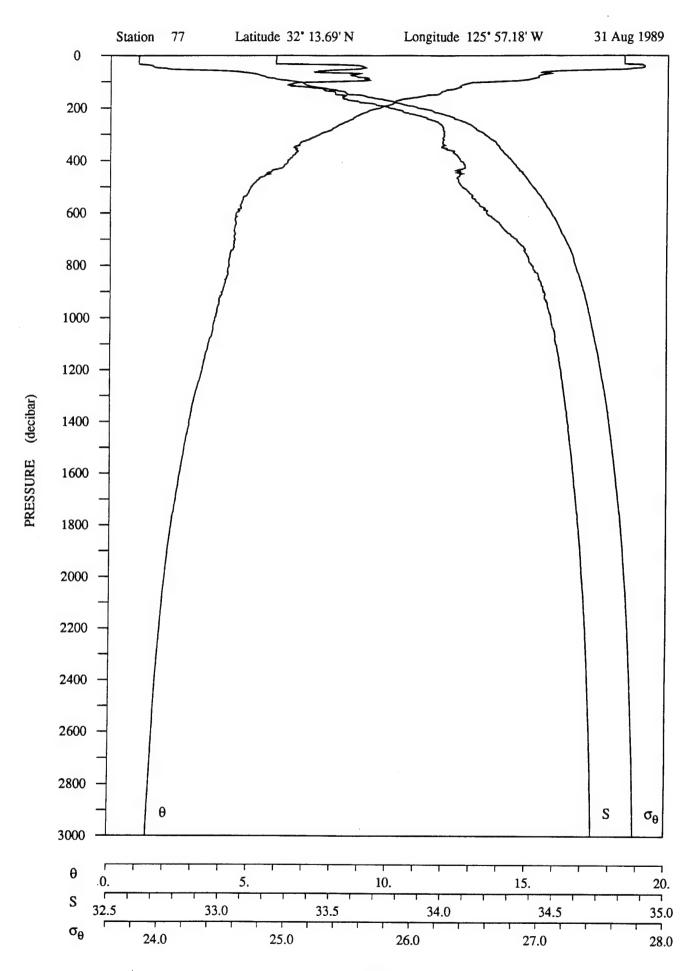


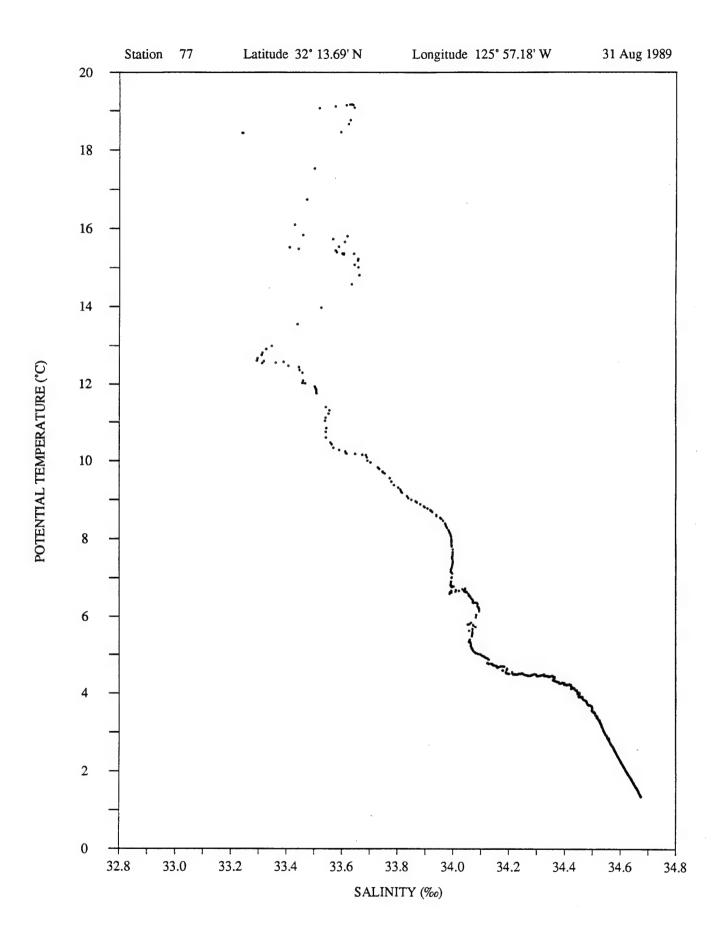


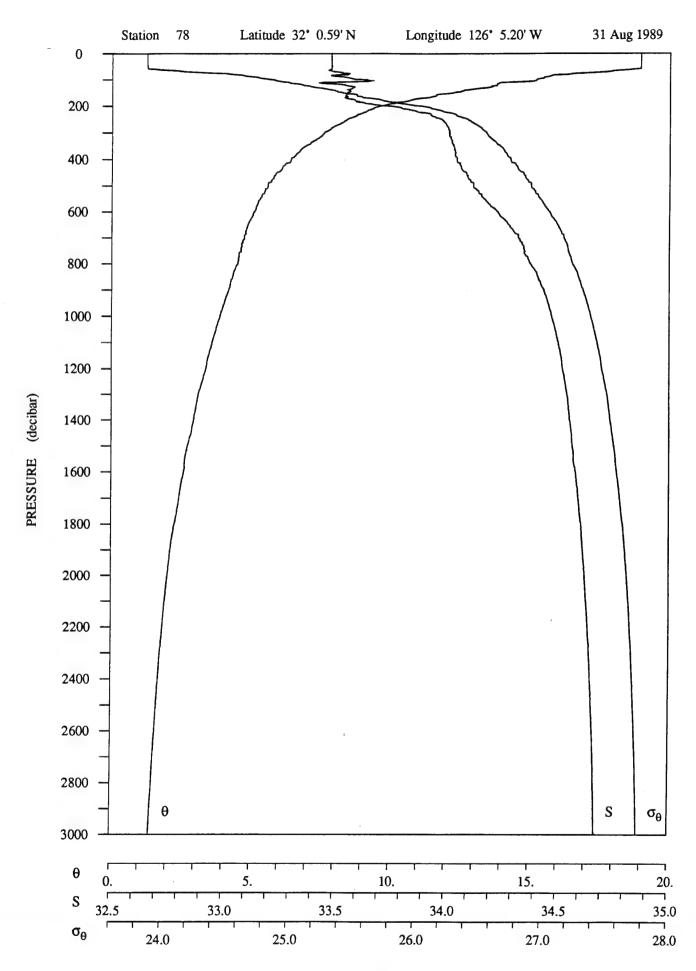


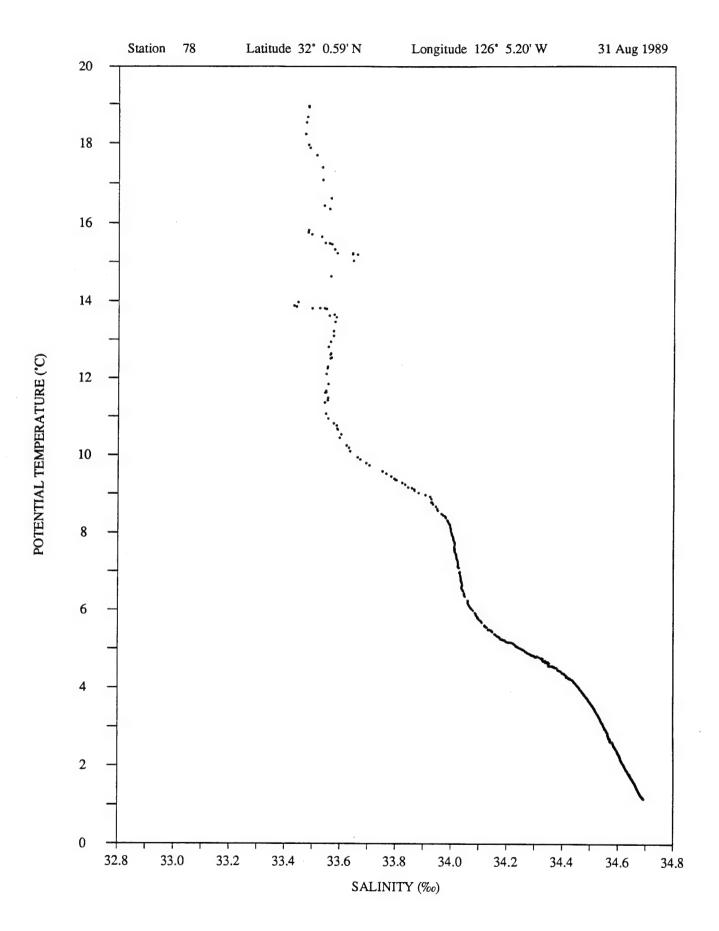


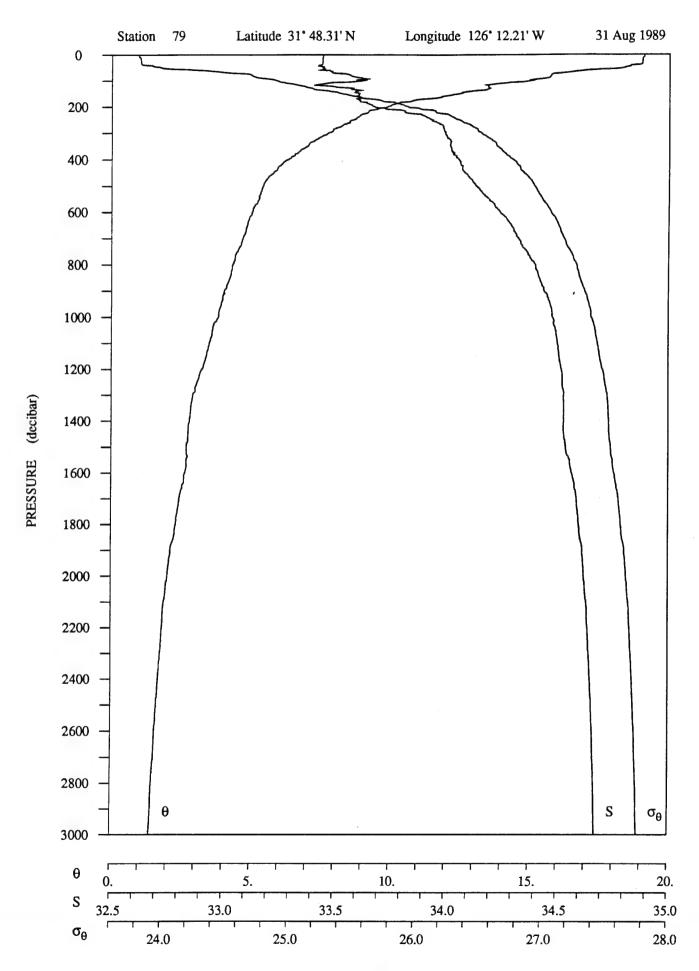


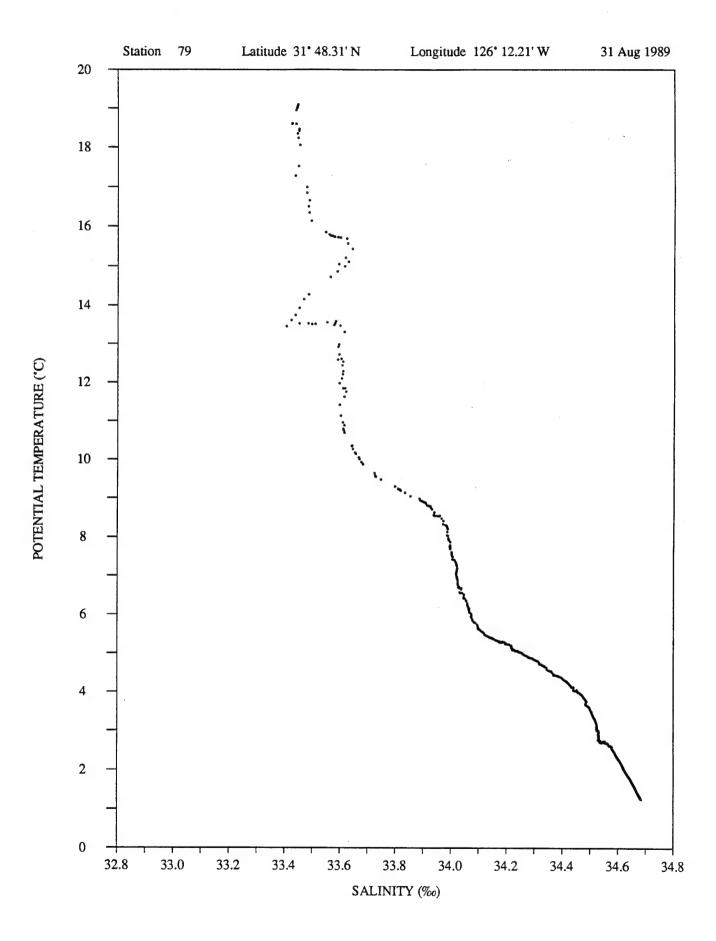


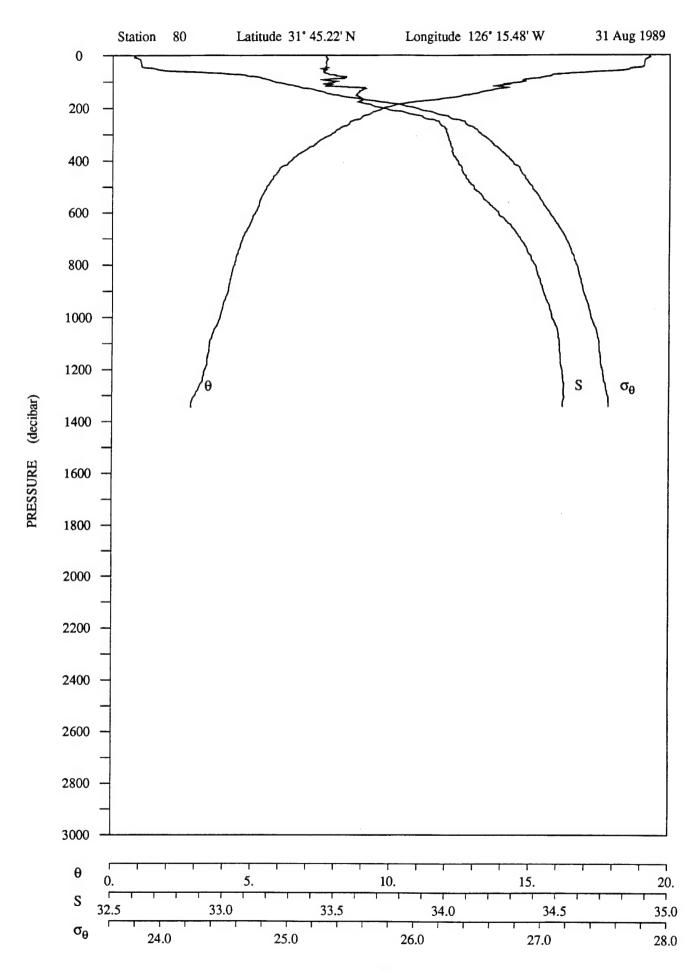


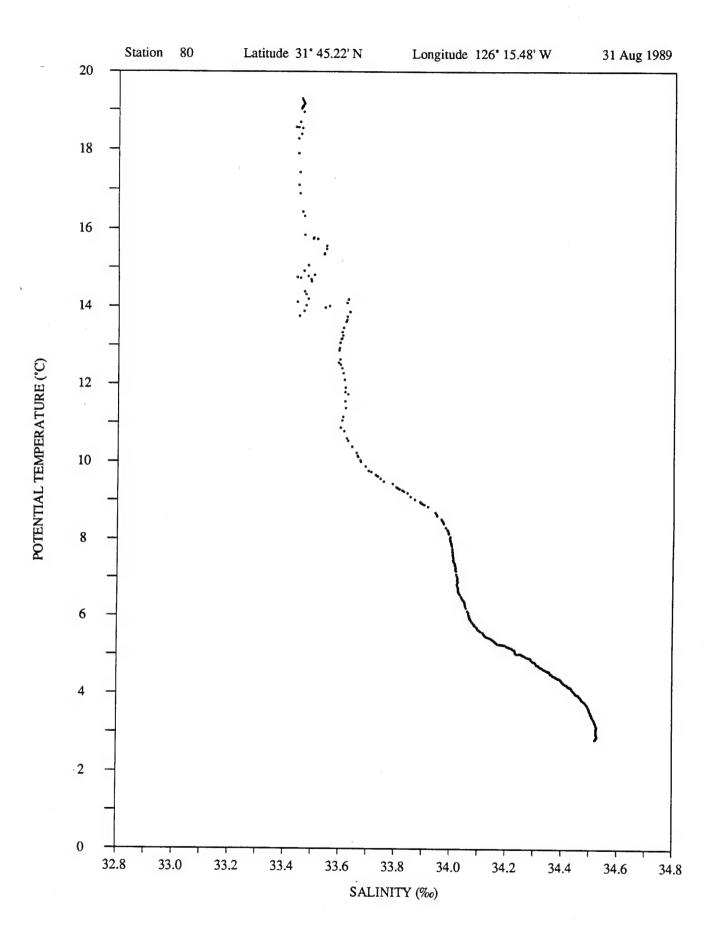


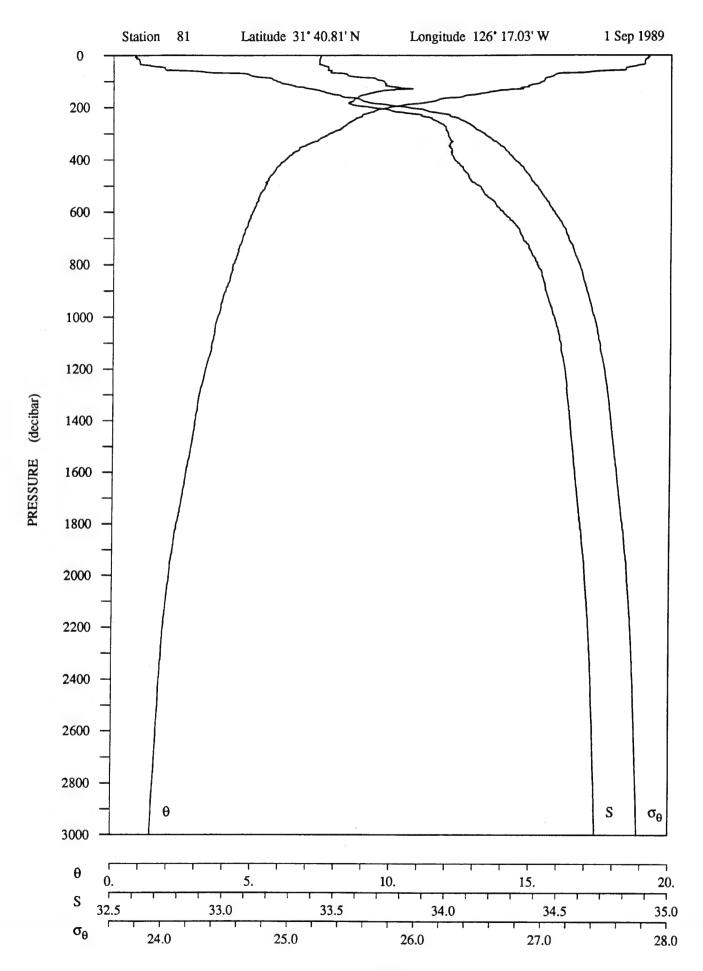


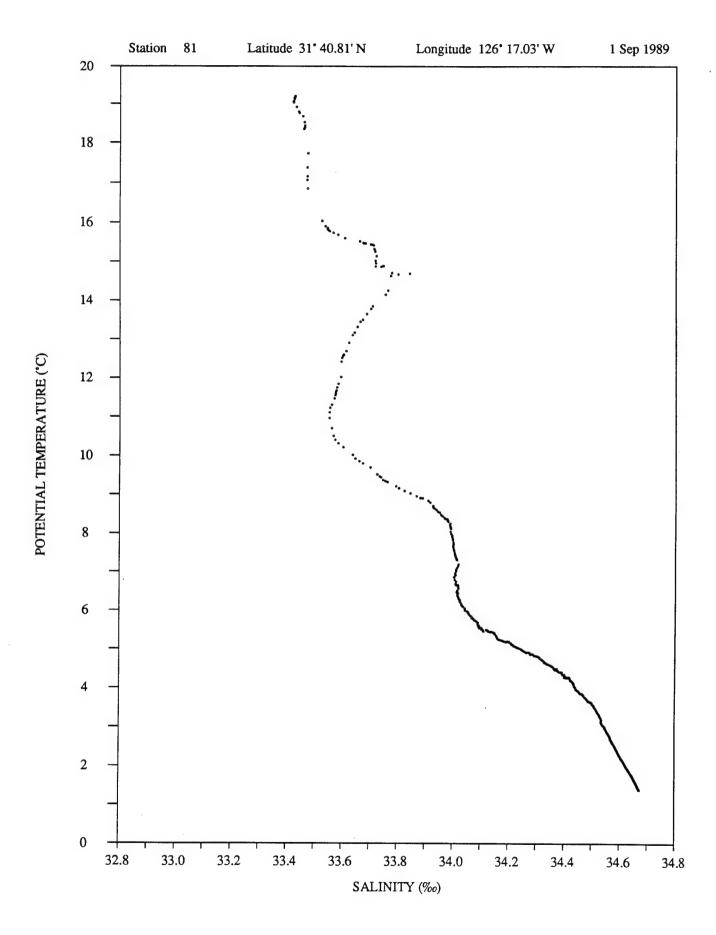


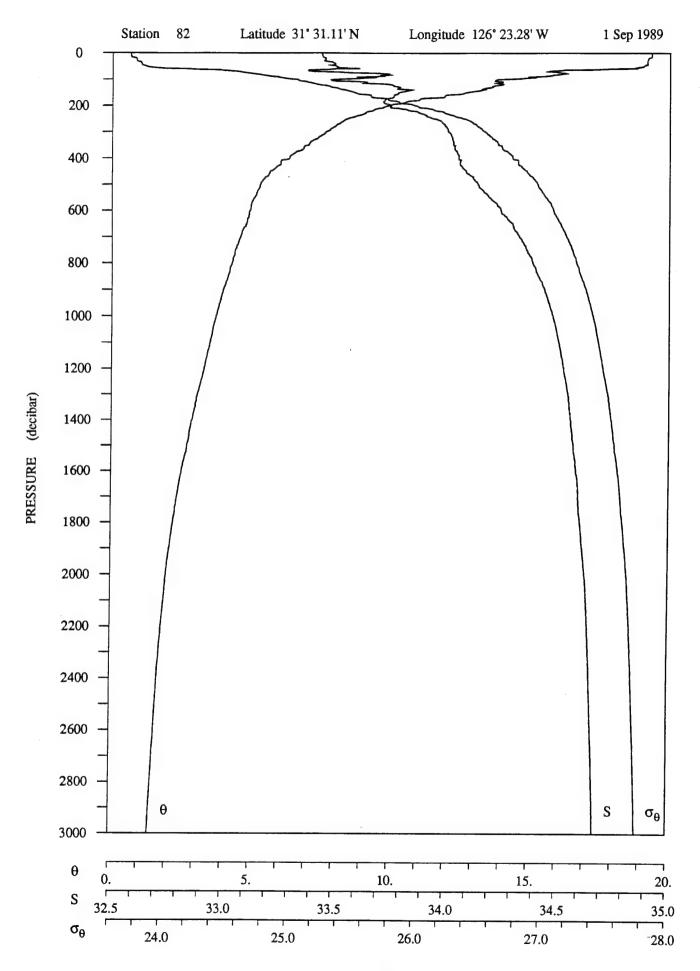


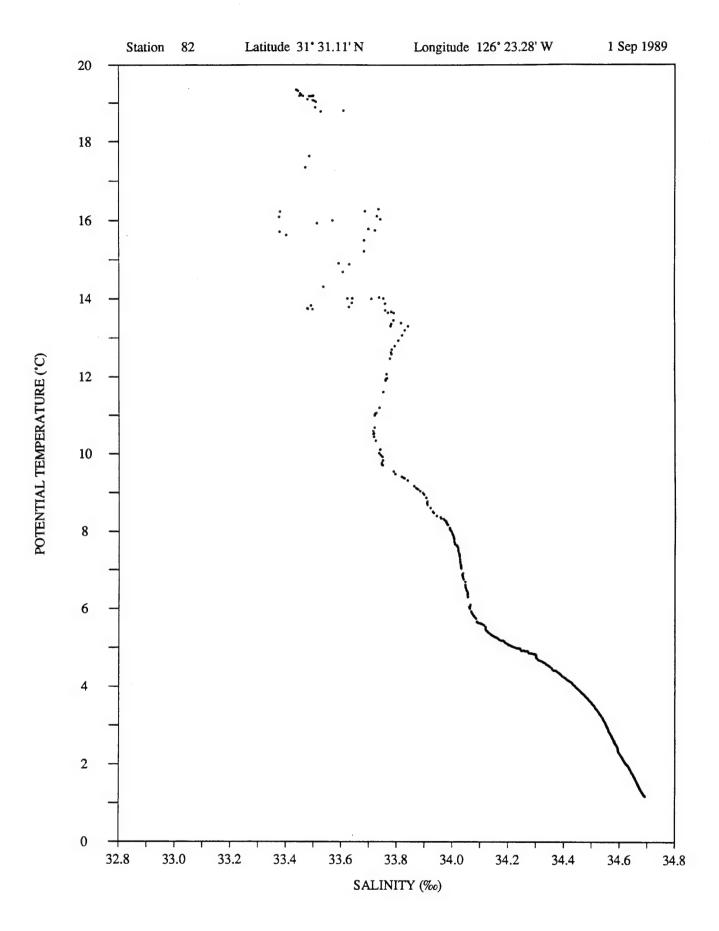


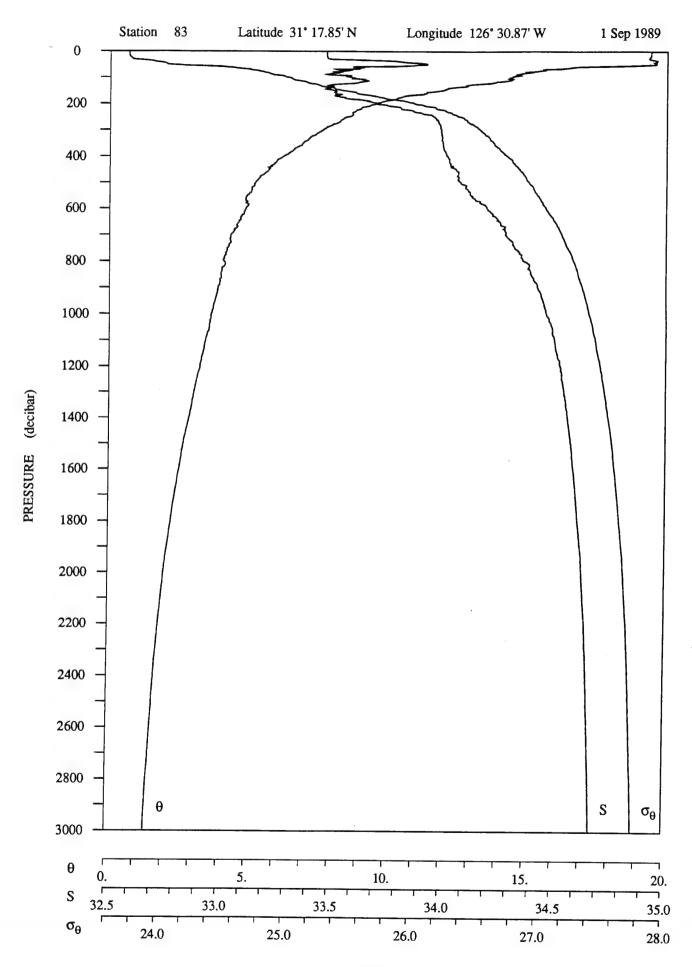


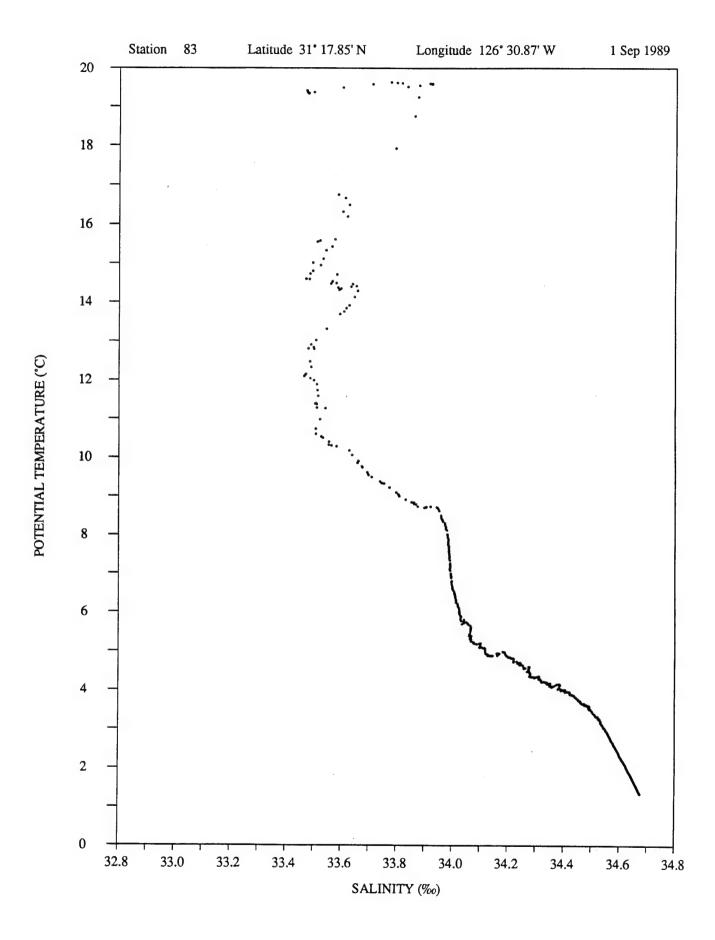


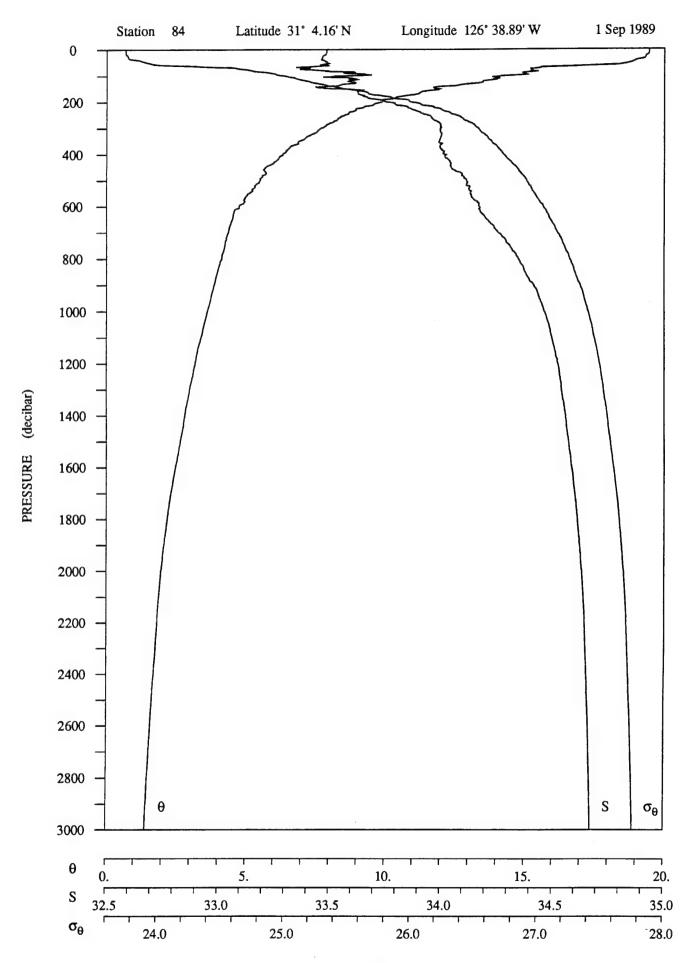


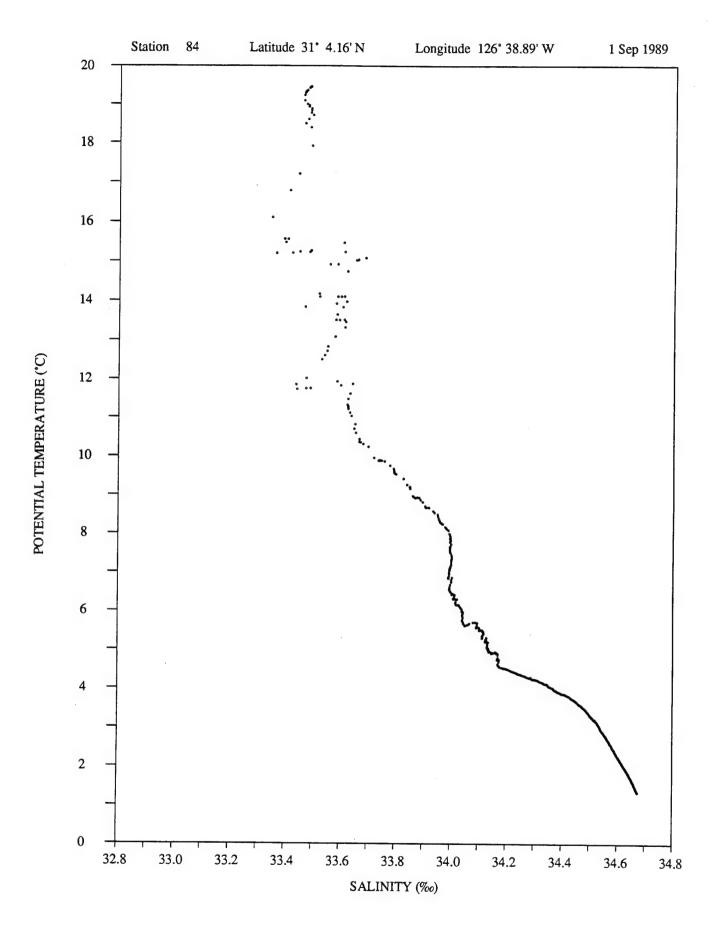












Sound Speed Light Transmission Profiles

